



new Leaf
STUDIO

**Midsomer Norton Town Council
Midsomer Norton Town Park**

**Phase 1.2 - Celebration Meadow,
Amphitheatre & Greenway Link**

INVITATION TO TENDER

**Incorporating Form of Tender, Preliminaries
& Specification of Materials and Workmanship /
Schedule of works**

May 2019

TENDER ISSUE

new Leaf s T U D I O

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C H A R T E R E D
L A N D S C A P E
A R C H I T E C T S

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FORM OF TENDER

From (enter company name): _____

To: **Midsomer Norton Town Council**
Project: **Town Park – Phase 1.2 – Celebration Meadow & Amphitheatre**

Having read the Conditions of Contract and Schedule of Works delivered to us and having examined the drawings referred to therein, we do hereby offer to execute and complete in accordance with the Conditions of Contract, Schedule of Works and Drawings the whole of the works described for the lump sum of:-

(amount in words) _____

(amount in figures) £ _____

The overall contract period shall be ____ weeks inclusive of statutory holidays from the agreed start of the works as detailed in the Preliminaries.

We agree that should obvious errors in pricing or errors in arithmetic be discovered before acceptance of this offer in the priced tender submitted by us, we undertake to conform to Alternative 2 of the JCT Tendering Practice Note 2012.

We confirm that we would require a lead-in period of ____ Weeks from receipt of an instruction to commence works.

This tender remains open for consideration for 26 weeks from the day fixed for the submission of tenders.

The contractor shall be required to submit a copy of their fully priced schedule of works in support of their tender with the Form of Tender

Tender submission documents to be delivered to reach the office of Midsomer Norton Town Council, Town Hall, The Island, Midsomer Norton BA3 2HQ by no later than **14:00 on Thursday 24th May 2019**

Dated the _____ day of _____ 2019

Name: _____

Address: _____

Signature: _____ Position held: _____

The Employer reserves the right to accept and tender from those submitted or to refuse all. They do not undertake to incur themselves in any expenses in connection with the preparation of tenders. Any qualification to a tender will cause it to be refused.

ADDITIONAL INFORMATION: The Contractor is to state below the percentage additions required for profit, overheads, attendance etc, variations and expenditures to Provisional sums during the course of the contract, in the assumption that all quotations are nett (i.e. exclude cash discount):

Variations _____ % Provisional Sums _____ %

INTRODUCTION

PROJECT BACKGROUND

Midsomer Norton Town Park has been an aspiration for the town for over 40 years. In recent years the Town Council acquired the freehold of the site and planning consent for change of use from agricultural land to Town Park.

The park will be developed in phases over a number of years.

Funding has now been secured to undertake some initial phases of work, of which the works subject to this tender are the second element.

Some of this funding is time limited and has to be committed to a contract by 29th May 2019. This has dictated the tender return date.

INSTRUCTIONS FOR TENDER

Tenders are to be submitted to Midsomer Norton Town Council as hard copy addressed to: Midsomer Norton Town Council, Town Hall, The Island, Midsomer Norton BA2 2HQ

N.B: A return label is supplied as part of these tender documents. This should be printed and securely affixed to the envelope use to submit your tender.

Envelopes should not bear any other markings (other than appropriate postage paid labels or stamps) and should not bear any indication of the identity of the tenderer.

**Tenders to be received at the above address by 14:00 on Thursday 23rd May
Any late submissions will be disqualified.**

The following suitably completed documents are to be provided

- Completed contractor evaluation questionnaire (with attachments required therein)
- Completed pricing schedule and form of tender (this document)
- Preliminary Method Statements as required by A30 500 and as follows:
 - Means of using Five Arches Greenway for construction access to the proposed greenway link so as to ensure continued safe public access and minimise risk of damage to pedestrian macadam surface.
 - Means of constructing the amphitheatre, particularly including logistics of moving rock across the site and up the slope to locations to be installed.

Any queries about the detail of the works or this tender process are to be addressed to the Landscape Architects by email to: andy@newleafstudio.com

EVALUATION CRITERIA

Tenders will be assessed on the basis of 60% price and 40% quality

- Contractor Evaluation Questionnaire – up to 148 points (see scoring matrix within the document) to be allocated pro-rata to make up 40% of total score
- Pricing Schedule: Prices will be ranked lowest to highest and scored out of 60. The lowest price will receive 60 points, with scores for other prices being reduced from 60 by the percentage that they are higher than the lowest.

A PRELIMINARIES

10 PROJECT PARTICULARS

- 110 THE PROJECT:
Name: Midsomer Norton Town Park – Phase 1.2 – Celebration Meadow, Amphitheatre & Greenway link.
Nature: Landscape and civil engineering works to construct a stepped amphitheatre, provision of new water and electricity supplies, culverting ditches, with gabion and mass rock block headwalls. Provision of new / improved access paths, re-grading / cut and fill, cultivation and seeding.
Location: Land between Gullock Tynning and Wheelers Rd, Midsomer Norton
Timescale for completion of the work: commencing after 13th July 2019 with programme to be agreed.
- 120 EMPLOYER (CLIENT):
Midsomer Norton Town Council,
Council Offices, The Island, Midsomer Norton BA3 2HQ
- 137 LANDSCAPE ARCHITECT: (hereinafter referred to as 'CA'):
New Leaf Studio
1.17 Paintworks, Bath Road, Arncliffe, BRISTOL BS4 3EH
- 141 CONTRACT ADMINISTRATOR: (hereinafter referred to as 'CA'):
As landscape architect as above
- 147 PRINCIPAL DESIGNER:
As landscape architect as above

A10 Totals Carried Forwards to p27

A11 TENDER & CONTRACT DOCUMENTS

- 110 THE TENDER DRAWINGS: are:
New Leaf Studio Drawings (all prefixed MCS656)
Drg04A Celebration Meadow
Drg08 Celebration meadow cut and fill
Drg11A Amphitheatre
Drg12 Greenway link
Drg14 West Entrance – interim works
Drg15 Handrail Detail
Drg16 Location plan / working area
- 120 THE CONTRACT DRAWINGS: will be the same as the tender drawings
- 131 THE QUANTITIES DRAWINGS: The drawings from which the quantities included in the specification/schedules have been prepared are the same as the tender drawings
- 160 THE PRE-CONSTRUCTION INFORMATION: is included in these preliminaries in Section A34. It refers to information given elsewhere in the preliminaries, specifications and drawings.

A11 - Totals carried forwards to p27

A12 THE SITE

110 THE SITE:

The site is in use as a public park. To the north it is bounded by the River Somer which is a "Main River" so comes under the control of the Environment Agency. The River Somer flood relief tunnel approaches the site below Gullock Tynning from the west. The tunnel outfall is within the main west entrance to the site.

To the south it is bounded by the Five Arches Greenway, which is a shared cycleway and footpath following the line of the dis-used Somerset & Dorset Railway. A large part of the site was previously used as a colliery spoil heap, but latterly was designated as agricultural land.

140 EXISTING MAINS/SERVICES:

Enquiries were made to service companies in November / December 2018 which revealed no services in the vicinity of the working area / within the park site.

The above details should not be taken as a guarantee of this situation and the contractor must make their own enquiries and investigations and undertake excavation with caution.

111 SITE INVESTIGATION:

The site was previously agricultural land with change of use planning consent granted in 2014 to become a Town Park.

The large mound filling the south west quarter of the site (The Batch) is a coal spoil heap. This went out of use in 1970's and was subsequently re-graded to stabilise the slope, with the top of the batch being removed and deposited in the area now known as the Celebration Meadow forming the current raised plateau. However other reports suggest that this material resulted from the straightening of the river or from building the flood relief tunnel.

An overview ground investigation was carried out by SLR Consulting in January 2014. This revealed low levels of contamination in some parts of the site. In March 2019 SLR undertook further investigation in the areas of the works subject to this tender. The reports from these investigations will be made available to the successful contractor to inform their health & safety planning. However at time of inviting tenders, the full results of the March 2019 investigations are awaited. This may result in a need for handling materials in a particular way or to include remedial works. (see also A35 135)

However for tender purposes and to meet the funding deadlines, the tenderer should price on the basis of works as set out in this document and the accompanying drawings.

Prices for any additional works will then be negotiated with the successful tenderer.

121A SOILS AND STRATA:

See 111 above & 241 below.

For tender purposes, assumptions to be made in pricing are stated elsewhere within the ITT and drawings as relevant.

Page Totals – carry forwards to top of next page

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200	<p>ACCESS TO THE SITE:</p> <p>Access to the site can be gained via an existing partially granular surfaced track close to the north side of the Somer Centre in Gullock Tynning. (O.S. 6-figure grid reference ST668543)</p> <p>This route is currently controlled by a lockable bollard, the key for which can be provided to the contractor to allow vehicle access.</p> <p>Pedestrian access is also available from the east via the public footpath from Radstock Road (O.S. 6-figure grid reference ST675547. This route will not be used for construction access.</p> <p>It may be possible to use the Five Arches Greenway to access the working area for the proposed greenway link. The Greenway could be accessed either from Pit Road to the west or Radstock Road to the east. Use of this route will be subject to agreement with Bath & North East Somerset Council. The client will seek this agreement prior to commencement of the works. Meanwhile for tender purposes, prices should assume that this access route has been agreed.</p> <p>If this route is used for construction purposes then any passage of plant or vehicles will be subject to supervision by a banksman to ensure public safety as well as an undertaking to make good any damage to the macadam surface. Allow for any necessary double handling of materials and transport using light vehicles. Allow for surface protection to prevent damage to macadam for turning vehicles.</p> <p>A small storage compound area may be made available close to Pit Road as indicated on MSN656/Drg16</p>		
220	<p>USE OF THE SITE:</p> <ul style="list-style-type: none"> Do not use the site for any purpose other than carrying out the Works. Locations of spoil heaps and materials storage to be agreed with the CA 		
230	<p>SURROUNDING LAND/BUILDING USES:</p> <p>The site is in open access use as a public park.</p> <p>The footpath along the River Somer is a public right of way (ref: PROW CL24/43). Public Right of way CL24 /44 is not identifiable on the ground, but is contained within the eastern area of the site and generally outside the working area for this contract. Both these PROW's should be kept fully accessible at all times.</p> <p>The five Arches Greenway is a Sustrans cycle route and access should not be restricted at any time.</p> <p>The Somer Centre and its car park to the south of then main site access is tenanted to a community association. The car park is for the exclusive use of the Somer Centre and must not be used by the contractor or their staff.</p> <p>See also A35 clause 130.</p>		
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241	RISKS TO HEALTH AND SAFETY: <ul style="list-style-type: none"> • See also clause 111 above. • The nature and condition of the site cannot be fully and certainly ascertained before it is opened up. However the following risks are or may be present: <ul style="list-style-type: none"> ○ Asbestos: Low levels of asbestos contamination have been detected in soils to be disturbed. (see A35 135). ○ Close proximity of the River Somer ○ Low levels of contamination in soils and strata being disturbed: Boron, nickel, sulphate, arsenic and benzo(a)pyrene have been detected but at levels below those requiring any special treatment, however the contractor should allow for appropriate handling and be aware of the potential of uncovering more significant contamination and proceed accordingly. • The accuracy and sufficiency of this information is not guaranteed by the Employer or the CA and the Contractor must ascertain for himself any information he may require to ensure the safety of all persons and the Works. 		
280A	SITE VISIT: Before tendering, ascertain the nature of the site, access thereto and all local conditions and restrictions likely to affect the execution of the Works. No claim for want of knowledge in this respect will be entertained.		
290	SITE VISIT: The site is open to public access at all times so no advance arrangements are necessary		
A12 - Total Carried Forwards to p27			
A13	DESCRIPTION OF THE WORK		
120	THE WORK: The work comprises: <ul style="list-style-type: none"> • Construction a stepped amphitheatre on existing slope with mass rock block dry-stone retaining walls and grass terraces, • Provision of new water and electricity supplies to a new feeder pillar within the site. • Culverting of various sections of ditch / watercourse, including gabion and mass rock headwalls. • Re-grading and landscape works to the meadow • New / improved granular surface access routes • Construction of a short flight of concrete steps. • Installation of handrails • Re-alignment of a short section of fence 		
A13 - Total carried forwards to p27			

A20 THE CONTRACT

JCT MINOR WORKS BUILDING CONTRACT

- The Contract: JCT Minor Works Building Contract 2016 Edition, Requirement: Allow for the obligations, liabilities and services described

THE RECITALS

First - THE WORKS AND THE CONTRACT ADMINISTRATOR

- The work comprises: Landscape and civil engineering works to construct a stepped amphitheatre, provision of new water and electricity supplies, culverting ditches, with gabion and mass rock block headwalls. Provision of new / improved access paths, re-grading / cut and fill, cultivation and seeding at Midsomer Norton Town Park

Second - CONTRACT DOCUMENTS

Contract documents: The following have been prepared which show and describe the work to be done:

- Contract drawings: As listed in clause A11/120
- Contract specification / schedule of works

Third - PRICED DOCUMENTS

- Documents to be priced or provided by the Contractor: Priced Work Schedules.

THE ARTICLES

3. ARCHITECT/ CONTRACT ADMINISTRATOR

- Architect/ Contract Administrator: See clause A10/137.

4 and 5 - PRINCIPAL DESIGNER/ PRINCIPAL CONTRACTOR

- Principal Designer: See clause A10/147.
- Principal Contractor: will be the contractor.

4 and 5 - PRINCIPAL DESIGNER/ PRINCIPAL CONTRACTOR

- Articles 4 and 5 will be deleted

7. ARBITRATION applies.

CONTRACT PARTICULARS

Fourth Recital and Schedule 2 - BASE DATE

Base date: ten days before tender return date.

Fourth Recital and clause 4.2 - CONSTRUCTION INDUSTRY SCHEME

- Employer at the Base Date is not a 'contractor' for the purposes of the CIS.

Fifth Recital - CDM REGULATIONS

- The project may be notifiable depending upon contractor's proposed programme and staffing levels.

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Sixth Recital - FRAMEWORK AGREEMENT does not apply

Seventh Recital and Schedule 3 - SUPPLEMENTAL PROVISIONS

- Collaborative working: Paragraph 1 applies.
- Health and safety: Paragraph 2 applies.
- Cost savings and value improvements: Paragraph 3 applies.
- Sustainable development and environmental considerations: Paragraph 4 applies.
- Performance indicators and monitoring: Paragraph 5 does not apply.
- Notification and negotiation of disputes: Paragraph 6 applies. Where paragraph 6 applies, the respective nominees of the parties are:
 - Employer's nominee: the Town Clerk
 - Contractor's nominee: tbc.

Or such replacement as each party may notify to the other from time to time.
- Paragraph 7 - Transparency and Freedom of information Act - Applies
- Paragraph 8 - Public Contracts Regulations 2015 - Applies

Article 7 - ARBITRATION

- Article 7 and Schedule 1 applies.

Clause 2.2 - COMMENCEMENT AND COMPLETION

- Date for Commencement of the Works: to be agreed.
- Date for Completion: within 5-weeks of commencement.

Clause 2.8 - LIQUIDATED DAMAGES

- At the rate of £500.00 per week or part thereof.

Clause 2.10 - RECTIFICATION PERIOD

- Period: 6 months from the date of practical completion.

Clause 4.3 – INTERIM PAYMENTS.

- First Interim Valuation Date: to be agreed, At monthly intervals thereafter
- Percentage before PC: 95%
- Percentage at PC:97.5%

Clause 4.3 and 4.8 – FLUCTUATIONS PROVISION

- No fluctuations provision applies

Clause 4.8.1 - SUPPLY OF DOCUMENTATION FOR COMPUTATION OF AMOUNT TO BE FINALLY CERTIFIED

- Period: 2-weeks from the date of practical completion.

Clause 5.3 - CONTRACTOR'S INSURANCE - INJURY TO PERSONS OR PROPERTY

- Insurance cover (for any one occurrence or series of occurrences arising out of one event): £5 million.

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**Clauses 5.4, 5.5 and 5.6 - INSURANCE OF THE WORKS ETC -
ALTERNATIVE PROVISIONS**

- Clause 5.4 applies.

**Clauses 5.4A.1 and 5.4B.1.2 - PERCENTAGE TO COVER PROFESSIONAL
FEES : Addition: 20 per cent**

Clause 7.2 - ADJUDICATION

- Nominating body: Royal Institute of Chartered Surveyors.

Schedule 1 paragraph 2.1 - ARBITRATION

- Appointor of Arbitrator (and of any replacement): President or a Vice president of the: Royal Institute of Chartered Surveyors.

THE CONDITIONS

SECTION 1: DEFINITIONS AND INTERPRETATION
SECTION 2: CARRYING OUT THE WORKS
SECTION 3: CONTROL OF THE WORKS
SECTION 4: PAYMENT
SECTION 5: INJURY, DAMAGE AND INSURANCE
SECTION 6: TERMINATION
SECTION 7: SETTLEMENT OF DISPUTES

EXECUTION: The Contract: Will be executed under hand.

CONTRACT GUARANTEE BOND: Not required.

A20 - Total carried forwards to p27

A30 TENDERING/SUBLETTING/SUPPLY

MAIN CONTRACT TENDERING

110 SCOPE: These conditions are supplementary to those stated in the invitation to tender and on the Form of Tender.

170 ACCEPTANCE OF TENDER: The Employer and his representatives:

- Offer no guarantee that the lowest or any tender will be recommended for acceptance or accepted.
- Will not be responsible for any cost incurred in the preparing any tender.

190 PERIOD OF VALIDITY: Tenders must remain open for consideration (unless previously withdrawn) for not less than 13 weeks from the date fixed for the submission or lodgement of tenders. Information on the date for possession/commencement is given in section A20.

PRICING/SUBMISSION OF DOCUMENTS

213 PRELIMINARIES: The Preliminaries/General conditions sections (A10 – A55 inclusive) must not be relied on as complying with SMM7 or RICS NRM.

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220A	PRICING OF PRELIMINARIES: Contractor is to price these preliminaries showing Fixed Charge (FC) and Time Related (TR) Charge preliminaries items in the appropriate columns. Where no price is stated, the provisions of these preliminaries will be deemed to be included in the price for the works / elsewhere.		
303	<p>QUANTITIES IN THE TENDER DOCUMENTS: Where and to the extent that quantities are included in the tender documents, they have been prepared in accordance with SMM7 or RICS NRM only where and to the extent stated. Where not so stated, the items, descriptions and measurements:</p> <ul style="list-style-type: none"> • Must not be relied on as complying with SMM7 or RICS NRM. • Must be priced taking account of the information given elsewhere in the tender documents, including for all associated and ancillary work shown or clearly apparent as being necessary for the complete and proper execution of the work. 		
315A	WHERE NO QUANTITIES ARE GIVEN: Tenders must include for all work shown or described in the tender documents as a whole or clearly apparent as being necessary for the complete and proper execution of the Works.		
500	<p>TENDER STAGE METHOD STATEMENTS: must be submitted with the tender describing how and when the Contractor proposes and undertakes to carry out the following:</p> <ul style="list-style-type: none"> • Means of using Five Arches Greenway for construction access to the proposed greenway link so as to ensure continued safe public access and minimise risk of damage to pedestrian macadam surface 		
535	SUBSTITUTE PRODUCTS: If the Contractor wishes to substitute materials or products of different manufacture to those specified, details must be submitted with the tender giving reasons for each proposed substitution. Substitutions which have not been notified at tender stage may not be considered. Substitutions sanctioned by the CA will be subject to the verification requirements of clause A31/200		
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- 570 **OUTLINE CONSTRUCTION PHASE HEALTH AND SAFETY PLAN** must be submitted within 5-days of request and include the following:
- Method statements related to construction hazards identified in the pre-construction information and/or statements on how hazards will be addressed and any other significant hazards identified by the contractor.
 - Details of the management structure and responsibilities
 - Arrangements for issuing health and safety directions.
 - Procedures for informing other contractors and employees of health and safety hazards
 - Selection procedures for ensuring competency of other contractors, the self-employed and designers.
 - Procedures for communication between the project team, other contractors and site operatives
 - Arrangements for co-operation and co-ordination between contractors.
 - Procedures for carrying out risk assessment and for managing and controlling the risk
 - Emergency procedures including those for fire prevention and escape.
 - Arrangements for ensuring that all accidents, illness and dangerous occurrences are recorded.
 - Arrangements for welfare facilities
 - Procedures for ensuring that all persons on site have received relevant health and safety information and any appropriate training.
 - Arrangements for consulting and taking the views of people on site.
 - Arrangements for preparing site rules and drawing them to the attention of those affected and ensuring their compliance.
 - Monitoring procedures to ensure compliance with site rules, selection and management procedures, health and safety standards and statutory requirements.
 - Review procedures to obtain feedback.

A30 - Totals carried forwards to p27**A31 PROVISION, CONTENT AND USE OF DOCUMENTS****DEFINITIONS AND INTERPRETATIONS**

- 121 CA: means the person nominated in the Contract as Landscape Architect or Contract Administrator or his authorised representative.
- 130 IN WRITING: When required to advise, notify, inform, instruct, agree, confirm, obtain information, obtain approval or obtain instructions do so in writing.
- 140 APPROVAL: (and words derived therefrom) means the approval in writing of the CA unless specified otherwise.
- 145 SUBMIT (and words derived therefrom) means to the CA unless otherwise instructed.

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295 PRACTICAL COMPLETION: Practical completion is deemed to mean that the works are complete and capable of beneficial occupation (use by the public), all snagging items have been completed, site personnel have vacated the site, the maintenance manuals have been prepared and handed over and information required by the CDM co-ordinator for inclusion in the Health and Safety File has been handed over.

DOCUMENTS PROVIDED ON BEHALF OF EMPLOYER

410 ADDITIONAL COPIES OF DRAWINGS: Two copies of drawings (not counting any certified copy of the Contract Drawings) will be issued to the Contractor free of charge. Additional copies will be issued on request but will be charged to the Contractor.

431 ADDITIONAL COPIES OF SPECIFICATION/SCHEDULES: After execution of the Contract, two copies of the Specification/Schedules will be issued to the Contractor. Additional copies will be issued on request, if available, but will be charged to the Contractor.

440 DIMENSIONS: The accuracy of dimensions scaled from the drawings is not guaranteed. Obtain from the CA any dimensions required but not given in figures on the drawings nor calculable from figures on the drawings.

450 THE MEASURED QUANTITIES: For purposes of ordering products and constructing the Works:

- The accuracy and sufficiency of the measured quantities is not guaranteed.
- The specification and drawings shall take precedence over the measured quantities.

460 THE SPECIFICATION: All sections of the specification must be read in conjunction with Main Contract Preliminaries/General conditions.

A31 - Total carried forwards to p27

A32 MANAGEMENT OF THE WORKS

GENERALLY

110 SUPERVISION: Accept responsibility for co-ordination, supervision and administration of the Works, including all subcontracts. Arrange and monitor a programme with each subcontractor, supplier, local authority and statutory undertaker, and obtain and supply information as necessary for co-ordination of the work.

120 INSURANCE: Before starting work on site submit documentary evidence and/or policies and receipts for the insurance required by the Conditions of Contract.

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130	INSURANCE CLAIMS: If any event occurs which may give rise to any claim or proceeding in respect of loss or damage to the Works or injury or damage to persons or property arising out of the Works, forthwith give notice in writing to the Employer, the CA and the Insurers. Indemnify the Employer against any loss which may be caused by failure to give such notice.		
141	CLIMATIC CONDITIONS - RECORDS: Prior to Practical Completion keep an accurate record of: <ul style="list-style-type: none"> Daily maximum and minimum air temperatures (including overnight). Delays due to adverse weather, including description of the weather, type(s) of work affected and number of hours lost. Failure to keep such records could prejudice any claim for extension of time on grounds of adverse weather.		
	PROGRAMME/PROGRESS		
205	ANTICIPATED PROGRAMME DATES: <ul style="list-style-type: none"> Commencement after 13th July 2019, duration to be agreed. 		
212	PROGRAMME: <ul style="list-style-type: none"> Before commencing work, submit an outline programme of proposed work identifying the sequence of operations and how works will be progressed in order to maintain pedestrian access. 		
301	ADVERSE WEATHER: Use all reasonable and suitable aids and methods to prevent or minimise delays during adverse weather conditions.		
302	EXCEPTIONALLY ADVERSE WEATHER is defined as that which is different from that expected for the time of year taken as an average over the past ten years as recorded on the roof of the appropriate meteorological office.		
310	EXTENSIONS OF TIMES: When a notice of the cause of any delay or likely delay in the progress of the Works is given under Contract clause 2.7, written notice must also be given of all other causes which apply concurrently. The Contractor shall, as soon as possible, submit to the CA: <ul style="list-style-type: none"> Relevant particulars of the expected effects, if appropriate related to the concurrent causes, An estimate of the extent, if any, of the expected delay in the completion of the Works beyond the Date for Completion, and All other relevant information required by the CA. 		
	CONTROL OF COST		
430	ESTIMATED COST OF VARIATIONS: If the CA issues details of a proposed instruction with a request for an estimate of cost, submit such an estimate without delay and in any case within 7 days.		
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Totals from previous page brought forward

- 432 PROPOSED INSTRUCTIONS: If the CA issues details of a proposed instruction with a request for an estimate of cost, submit such an estimate without delay and in any case within 7 days. The estimate must include:
- A detailed breakdown of the cost including any allowance for direct loss and expense.
 - Details of any additional resources which may be required.
 - Details of any adjustments which may have to be made to the programme for the Works.
 - Any other information as is reasonably necessary for the CA to fully assess the implications of issuing such an instruction.
 - Inform the CA immediately if it is not possible to comply with any of the above requirements.
- 451 PROVISIONAL SUMS: Provisional sums, other than those for 'Listed' Domestic Subcontractor work or specialist supplier items, are used in this document solely to indicate gross amount inclusive of Contractor's profit and all other elements of cost. Provisional Sums will be deducted in whole or in part as required and no claim for loss of profit will be allowed in this respect. The Contractor must not order expenditure against work covered by Provisional Sums without a written instruction from the CA.
- 461 INTERIM VALUATIONS: At least 7 days before the established dates for interim valuations submit to the CA details of amounts due under the Contract together with all necessary supporting information.
- 490 SITE INSTRUCTIONS: Verbal and Site instructions are to be recorded by the Contractor. Copies / confirmation is to be sent to the CA within 7-days of the instruction.
- 491 INSTRUCTIONS BY OTHERS: Immediately notify the CA of all instructions or recommendations given by persons other than the CA and await instruction before proceeding.

A32 - Total carried forwards to p27**A33 QUALITY STANDARDS/CONTROL****MATERIALS AND WORK GENERALLY**

- 110 GOOD PRACTICE: Where and to the extent that materials, products and workmanship are not fully detailed or specified they are to be:
- Of a standard appropriate to the Works and suitable for the functions stated in or reasonably to be inferred from the project documents, and
 - In accordance with relevant good practice.

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121	<p>GENERAL QUALITY OF PRODUCTS:</p> <ul style="list-style-type: none"> • Products to be new unless otherwise specified. • For products specified to a British or European Standard obtain certificates of compliance from manufacturers when requested. • Where a choice of manufacturer or source is allowed for any particular product, the whole quantity required must be of the same type, manufacture and/or source unless otherwise approved. Produce written evidence of sources of supply when requested. • Ensure that the whole quantity of each product required is of consistent kind, size, quality and overall appearance. • Where consistency of appearance is desirable ensure consistency of supply from the same source. Do not use different colour batches where they can be seen together. • If products are prone to deterioration or have a limited shelf life, order in suitable quantities to a programme and use in appropriate sequence. Do not use if there are any signs of deterioration, setting or other unsatisfactory condition. 		
131	<p>PROPRIETARY PRODUCTS:</p> <ul style="list-style-type: none"> • Handle, store, prepare and use or fix each product in accordance with its manufacturer's current printed or written recommendations. Inform CA if these conflict with any other specified requirement. Submit copies when requested. • The tender will be deemed to be based on the products specified and recommendations on their use given in the manufacturers' literature current at the date of tender. • Where British Board of Agrément certified products are used, comply with the limitations, recommendations and requirements of the relevant valid certificates. 		
141	<p>CHECKING COMPLIANCE OF PRODUCTS: Check all documentation and the products themselves to ensure compliance with the project documents. Where different types of any product are specified, check to ensure that the correct type is being used in each location. In particular, check that:</p> <ul style="list-style-type: none"> • The sources, types, qualities, finishes and colours are correct, and match any approved samples. • All accessories and fixings which should be supplied with the products have been supplied. • Sizes are correct. Where tolerances are critical, measure a sufficient quantity to ensure compliance. • The delivered quantities are correct, to ensure that shortages do not cause delays in the work. • The products are clean, undamaged and in good condition. • Products which have a limited shelf life are not out of date. 		
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151	<p>PROTECTION OF PRODUCTS:</p> <ul style="list-style-type: none"> • Prevent over-stressing, distortion and other damage. • Keep clean and free from contamination. Prevent staining, chipping, scratching or other disfigurement, particularly of products exposed to view in the finished work. • Keep dry to prevent premature setting, moisture movement and similar defects. Where appropriate store off the ground and allow free air movement between stored products. • Prevent excessively high or low temperatures and rapid changes of temperature in the products. • Protect adequately from rain, damp, frost, sun and other elements as appropriate. Ensure that products are at a suitable temperature and moisture content at time of use. • Ensure that sheds and covers are of ample size, in good weatherproof condition and well secured. • Keep different types and grades of products separately and adequately identified. • Keep products in their original wrappings, packings or containers until immediately before they are used. Wherever possible retain protective wrappings after fixing and until shortly before Practical Completion. • Ensure that protective measures are fully compatible with and not prejudicial to the products/materials. 		
171	<p>GENERAL QUALITY OF WORKMANSHIP:</p> <ul style="list-style-type: none"> • Operatives must be appropriately skilled and experienced for the type and quality of work. • Take all necessary precautions to prevent damage to the work from frost, rain and other hazards. • Inspect components and products carefully before fixing or using and reject any which are defective. • Where re-using existing materials, or using materials supplied by the employer, identify any shortfall in quantity or quality and seek instruction. • If materials are not suitable to achieve the standards specified or implied, obtain instruction. • Fix or lay securely, accurately and in alignment. • Where not specified otherwise, select fixing and jointing methods and types, sizes and spacings of fastenings in compliance with section Z20. • Provide suitable packings at screwed and bolted fixings to take up tolerances and prevent distortion. Do not overtighten. • Adjust location and fixing of components and products so that joints which are open to view are even and regular. <p>Ensure that all moving parts operate properly and freely. Do not cut, grind or plane pre-finished components and products to remedy binding or poor fit without approval.</p>		
191	<p>WATER FOR THE WORKS: There is no water supply on site. The contractor is to provide water for the works. If other than mains supply is proposed provide evidence of suitability.</p>		
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SAMPLES/APPROVALS			
211	SAMPLES: Where approval of a product is specified the requirement for approval relates to a sample of the product and not to the product as used in the Works. Do not confirm orders or use the product until approval of the sample has been obtained. Retain approved sample in good, clean condition on site. Ensure that the product used in the Works matches the approved sample.		
240	APPROVALS: Inspection or any other action by the CA must not be taken as approval of products or work unless the CA so confirms in writing in express terms referring to: <ul style="list-style-type: none"> • Date of inspection • Part of the work inspected • Respects or characteristics which are approved • Extent and purpose of the approval • Any associated conditions. 		
ACCURACY/SETTING OUT GENERALLY			
321	SETTING OUT: Check the levels and dimensions of the site against those shown on the drawings, and record the results on a copy of the drawings. Notify CA in writing of any discrepancies and obtain instructions before proceeding.		
322	SETTING OUT: Inform CA when overall setting out is complete and before commencing construction.		
SERVICES GENERALLY			
410	SERVICES REGULATIONS: Any work carried out to or which affects new or existing services must be in accordance with the Bye Laws or Regulations of the relevant Statutory Authority.		
SUPERVISION/INSPECTION/DEFECTIVE WORK			
510	SUPERVISION: In addition to the constant management and supervision of the works provided by the Contractor's person in charge, all significant types of work must be under the close control of competent trade supervisors to ensure maintenance of satisfactory quality and progress.		
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WORK AT OR AFTER COMPLETION

- 612 GENERALLY:
- Make good all damage consequent upon the work.
 - Remove all temporary markings and protective coverings.
 - Clean the works thoroughly remove all splashes, deposits, efflorescence, rubbish and surplus materials.
 - Cleaning materials and methods to be as recommended by manufacturers of products being cleaned, and to be such that there is no damage or disfigurement to other materials.
 - Obtain COSHH dated data sheets for all materials used for cleaning and ensure they are used only as recommended by their manufacturers.
 - Touch up minor faults in newly painted/repainted work, carefully matching colour. Repaint badly marked areas back to suitable breaks or junctions.
 - Adjust, ease and lubricate moving parts as necessary to ensure easy and efficient operation.
- 641 SECURITY AT COMPLETION: Leave the Works secure with all accesses locked. Account for and adequately label all keys and hand over to Employer.
- 650 MAKING GOOD DEFECTS: Make arrangements with the Employer and give reasonable notice of the precise dates for access to the various parts of the Works for purposes of making good defects. Inform CA when remedial works to the various parts of the Works are completed.

A33 - Total carried forwards to p27**A34 SECURITY/SAFETY/PROTECTION****GENERALLY**

- 110a THE PRE-CONSTRUCTION INFORMATION: is integral with the project Preliminaries, including but not restricted to the sections set out below.
- Nature of the project: Section A10 and A13.
 - The existing environment: Section A12.
 - Existing drawings: Sections A11 and A12.
 - The design: Section A34
 - Construction materials: Section A34
 - Site-wide elements: Section A12.
 - Overlap with client's undertaking: Sections A34 and A36.
 - Site Rules: Sections A34 and A35.
 - Continuing liaison: Section A31.
- 140 CONSTRUCTION PHASE HEALTH AND SAFETY PLAN:
- Submission: Present to the Employer/ Client no later than one week before commencement.
 - Confirmation: Do not start construction work until the Employer has confirmed in writing that the Construction Phase Health and Safety Plan includes the procedures and arrangements required by the CDM Regulations.
 - Content: Develop the plan from and draw on the Outline Construction Phase Health and Safety Plan, clause A30/570, and the Pre-tender Health and Safety Plan/ Preconstruction information.

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- 132 OCCUPIED PREMISES: There are no occupied premises within the site, however the site will remain open to public access. Pedestrian Access along the route of registered Public rights of way is to be maintained at all times.
- PROTECT AGAINST THE FOLLOWING:**
- 221 NOISE:
- Comply generally with the recommendations of BS 5228: Part 1, clause 7.3 for minimising noise levels during the execution of the works.
 - Noise levels from the works are to be kept below 80 dB(A) when measured from 2m.
 - Fit all compressors, percussion tools and vehicles with effective silencers of a type recommended by manufacturers of the compressors, tools or vehicles.
 - Do not use pneumatic drills and other noisy appliances before 8.30am and day without consent of the CA.
 - Do not use or permit employees to use radios or other audio equipment in ways or at times which may cause nuisance.
- 231 POLLUTION: Take all reasonable precautions to prevent pollution of the site, the Works and the general environment including ditches and the River Somer.
- 233 FUEL, LUBRICANTS AND HYDRAULIC FLUIDS:
- Store and handle, including refuelling, only on hardstanding or other approved areas, away from watercourses and drains.
 - Keep well away from soil, planting and grassed areas.
 - Ensure that vehicles and plant are secure from leakage and spillage. If spillage occurs, take appropriate emergency action and inform the CA immediately.
- 350 PESTICIDES:
- Use: Not permitted.
- 240 NUISANCE: Take all necessary precautions to prevent nuisance from smoke, dust, rubbish, vermin and other causes.
- 265 BURNING ON SITE: of materials arising from the work will **not be permitted**.
- 291 WASTE:
- Remove rubbish, debris, surplus material and spoil regularly and keep the site and Works clean and tidy.
 - Ensure that non-hazardous material is disposed of at a tip approved by a Waste Regulation Authority.
 - Remove all surplus hazardous materials and their containers regularly for disposal off site in a safe and competent manner as approved by a Waste Regulation Authority and in accordance with relevant regulations.
 - Retain waste transfer documentation on site.

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PROTECT THE FOLLOWING	
410	<p>WORK IN ALL SECTIONS: Adequately protect all types of work and all parts of the Works, including work carried out by others, throughout the Contract. Wherever work is of an especially vulnerable nature or is exposed to abnormal risks provide special protection to ensure that damage does not occur.</p>
421	<p>EXISTING SERVICES:</p> <ul style="list-style-type: none"> • Notify all service authorities and adjacent owners of the proposed works not less than one week before commencing site operations. • Before starting work check positions of existing services. • Observe service authority's recommendations for work adjacent to existing services. Do not interfere with their operation without consent of the service authorities or other owners. • If any damage to services results from the Works, notify CA and appropriate service authority without delay. Make arrangements for making good without delay to the satisfaction of the service authority or other owner as appropriate. • Replace marker tapes or protective covers disturbed by site operations to the service authority's recommendations.
430	<p>ROADS AND FOOTPATHS: Adequately maintain roads and footpaths within and adjacent to the site and keep clear of mud and debris. Any damage to roads and footpaths caused by site traffic or otherwise consequent upon the Works must be made good to the satisfaction of the Local Authority or other owner. Bear any costs arising.</p>
435	<p>EXISTING TOPSOIL/SUBSOIL: Before starting work, submit to the CA, proposals for protecting existing topsoil and subsoil from over compaction in those areas which may be damaged by construction traffic, parking of vehicles, temporary site accommodation or storage of materials and which will require reinstatement prior to completion of the Works.</p>
440	<p>RETAINED TREES/HEDGES/SHRUBS/GRASSED AREAS:</p> <ul style="list-style-type: none"> • Adequately protect and preserve, except those which are to be removed. • Protective measures are to address protection of aerial parts and root zones (Root Protection Areas) • Replace to approval or treat as instructed any species or areas damaged or removed without approval. • Mature trees and shrubs which, due to the Contractor's negligence, are uprooted, destroyed, or in the opinion of the CA, damaged beyond reasonable chance of survival in their original shape, must be replaced with those of a similar type and age at the Contractor's expense.

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445	<p>TREES TO BE RETAINED: Unless agreed otherwise by the CA, within the root protection area (RPA) do not:</p> <ul style="list-style-type: none"> • Dump spoil or rubbish, excavate or disturb topsoil, park vehicles or plant, store materials or place temporary accommodation. • Cause compaction through vehicular or regular pedestrian access. • Sever roots. • Change level of ground. <p>Refer also to A35 Clause 131 for more specific details of necessary works and restrictions on working methods within Root Protection Areas.</p> <p>The RPA should be considered to include the following:</p> <ul style="list-style-type: none"> • Area extending one and one third times the spread of the canopy 		
450	<p>EXISTING FEATURES: Prevent damage to existing buildings, fences, gates, walls, roads, paved areas and other site features which are to remain in position during the execution of the Works.</p>		
A34 - Total carried forwards to p27			
A35	SPECIFIC LIMITATIONS ON METHOD / SEQUENCE / TIMING		
110	<p>SCOPE: The limitations described in this section are supplementary to any described or implicit in information given in other sections or on the drawings.</p>		
130	<p>METHOD/SEQUENCE OF WORK: PROGRAMME AND MAINTAINING PUBLIC ACCESS</p> <p>The contractor may programme the work in whatever sequence provides greatest efficiency.</p> <p>The west entrance, the public rights of way and the five-arches greenway must be kept open to public access at all times.</p> <p>It is thus desirable to as far as possible, limit the extent of working area at any one time. This applies particularly to the main west entrance area and the proposed link to the greenway, where work should be completed as swiftly as possible to minimise disruption to public access.</p> <p>Access between the greenway and the park may be closed during works in this area.</p>		
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132	<p>METHOD/SEQUENCE OF WORK: ECOLOGICAL SUPERVISION OF ANY ADDITIONAL VEGETATION CLEARANCE:</p> <p>The site has potential presence of reptiles and amphibians, some of which are protected species.</p> <p>As far as possible, prior to commencement of works, areas will have been previously cleared under ecological supervision and will then be maintained to discourage re-colonisation. However if any additional clearance of vegetation is required, this may have to be undertaken under ecological supervision.</p> <p>The client's ecologist will be made available for any such supervision, at no cost to the contractor. However efficient use is to be made of the ecologist's time. The contractor will be counter charged for any abortive ecologist time due to the contractor's poor co-ordination.</p> <p>The contractor is to allow for any disruption to their progress or any need to undertake such additional clearance on a gradual basis.</p>		
133	<p>LIMITATIONS ON WORKS / WORK METHODS WITHIN ROOT PROTECTION AREAS (RPA's) FOR RETAINED TREES:</p> <p>As far as possible tree root protection areas are excluded from the working areas</p> <p>Whilst in general terms, all operations covered by A34 clause 445 are prohibited within Root Protection Areas, where specifically necessary for execution of the works, the following operations / work methods are permissible:</p> <ul style="list-style-type: none"> • Passage of plant over existing paved surfaces and existing gravel surfaces, provided these remain firm and un-rutted. If rutting begins to occur, cease such access immediately, and employ additional ground protection as A36 clause 326. • Passage of plant and personnel over grass / soil areas on condition that temporary ground protection as A36 clause 326 is installed. • Excavation of existing hard surfaces and hoggin using mechanical plant provided all plant works from the hard surface or from temporary ground protection. Such excavation to be to the minimum depth necessary to install the specified works. If significant amounts of tree roots are uncovered (even significant volume of small fibrous roots) stop work and obtain instruction). The contractor should allow for some foreseeable disruption to works due to this cause. • Excavation of trenches and footings by hand on condition that any roots encountered in excess of 25mm diameter are not severed but carefully retained, bridging the trench. Where this is not possible, seek instruction before progressing. 		
134	<p>METHOD/SEQUENCE OF WORK: RE-ALIGNMENT OF SOMER CENTRE FENCE:</p> <p>Give at least 7-days' notice of intent to start work on this fence so that the employer can inform the tenant.</p> <p>Complete works within 1-week to minimise disruption and keep the Somer Centre Garden secure at all times with temporary fencing as appropriate</p>		
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135	<p>LIMITATIONS ON WORKS / WORK METHODS – HANDLING SOILS POTENTIALLY CONTAMINATED WITH ASBESTOS:</p> <p>The works involve handling and moving soils / strata that have been found to include relatively low levels of asbestos in the form of asbestos cement debris. The works are not licensable and do not require a contractor with an Asbestos Handling Licence but will require the contractor to employ staff who are suitably trained.</p> <p>The clients engineers will set out details of necessary handling and remedial works and work with the contractor to develop an asbestos risk assessment and plan of works (method statement), This will specify</p> <ul style="list-style-type: none"> • A description of the works to be carried out; • Licensing status; • A description of the type of asbestos that may be encountered and the results of any available surveys/results; • PPE/RPE requirements; • Asbestos control measures (i.e. damping down, controlling arisings, controlling work area etc.); • Necessary decontamination measures; • Training requirements of staff involved in the works; • Air monitoring strategy; • Waste and stockpile management protocols; and • Procedures for dealing with emergencies (i.e. discovery of unexpected asbestos) <p>Another consideration is whether to works are notifiable to the HSE. The risk assessment and plan of works should confirm this. If works are notifiable, there is a requirement for contractors to have regular health checks.</p> <p>The key part of carrying out non-licensed works is staff training; The training is not onerous (a one day course).</p> <p>Full details of required handling of asbestos containing material will only become available after tender. For tender purposes the contractor is to allow for provision of suitably trained staff (for non-licenced work) and provision of suitable PPE to all site operatives.</p> <p>There will be opportunity to review prices in the light of the engineers full advice, post tender.</p>		
140	ACCESS TO THE SITE: See section A12.		
150	USE OF THE SITE: See section A12		
190	<p>WORKING HOURS:</p> <p>07.30-18.00 Mondays to Fridays (17.00 in winter months)</p> <p>08.00-13.00 Saturdays</p> <p>No work on Sundays or Public Holidays</p> <p>No use of noisy machinery before 8.30am any day.</p>		

A35 - Total carried forwards to p27

A36 FACILITIES/TEMPORARY WORK/SERVICES

- 110 LOCATIONS: Inform CA of the intended siting of all spoil heaps, temporary works and services. These must not be located closer than 8m from the River Somer or the River Somer Flood Relief Tunnel.
- 320 TEMPORARY FENCE(S) / HOARDING(S):
Supply and erect temporary fences to working areas or any areas that are not safe for public access
- 325 TEMPORARY FENCING TO EXISTING TREES/VEGETATION:
It is anticipated that a combination of hears type fence and safety barrier mesh on road pins will be used to enclose the working area and that this will also provide tree protection.
- 331 SIGNAGE: provide signage relevant to continued safe access around the works by pedestrians and cyclists.

Any site name boards or contractor information signs to be agreed..
See also A35 130 – Method / sequence of works and A34 generally.
- 433 WATER: The Contractor will be responsible for providing a sufficient supply of clean fresh water for the execution of the Works. Obtain CA's approval before using a supply other than potable mains water.

A36 - Total carried forwards to p27

A37 OPERATION/MAINTENANCE OF THE FINISHED WORKS

- 120 THE HEALTH AND SAFETY FILE
- Responsibility: The contractor
 - Content: Obtain and provide all information relevant to the health and safety of operatives who may in future maintain or dismantle the works
 - Format: A4 hard copy accompanied by digital PDF format version.
- Delivery: to CA before Practical Completion.

A37 - Total carried forwards to p27

A40 CONTRACTORS GENERAL COST ITEMS: MANAGEMENT AND STAFF

- 110 MANAGEMENT AND STAFF
- Cost significant items: Contractor to list below.

A40 - Total carried forwards to p27

A41 CONTRACTORS GENERAL COST ITEMS: SITE ACCOMMODATION

110 SITE ACCOMMODATION
For details of site accommodation required or made/not made available by the Employer see section A36.

- Cost significant items: Contractor to list below

A41 - Total carried forwards to p27

A42 CONTRACTORS GENERAL COST ITEMS: SERVICES AND FACILITIES

110 SERVICES AND FACILITIES
For details of services and facilities required or made/not made available by the Employer see section A36.

- Cost significant items: Contractor to list below

A42 - Total carried forwards to p27

A43 CONTRACTORS GENERAL COST ITEMS: MECHANICAL PLANT

110 MECHANICAL PLANT

- Cost significant items: Contractor to list below.

A43 - Total carried forwards to p27

A44 CONTRACTORS GENERAL COST ITEMS: TEMPORARY WORKS

110 TEMPORARY WORKS
For details of temporary works required or made/not made available by the Employer see section A36.

- Cost significant items: Contractor to list below.

A44 - Total carried forwards to p27

A54 PROVISIONAL WORK/ITEMS

Provisional sums to include contractors OHP

110	Provisional sum for remedial works associated with asbestos, based on a 10x10m area 1m deep that requires segregation:		
	• Additional earthworks costs	£10,000	
	• Waste disposal (100m3 as hazardous waste)	£17,000	
111	Provisional sum for supply and installation of additional topsoil. Refer to clause 2.4a)	-----	
112	Provisional sum for supply, delivery and positioning of additional Purbeck stone blocks for amphitheatre and headwalls. Refer to clause 3.3 (d)	-----	
113	Provisional sum for additional clean sub-soli fill to replace contaminated material that has to be taken off site	£5,000	
114	Provisional sum for changes to gabion retaining design as a consequence from further design input from Maccaferri Ltd. Refer to clause 3.3 (d)	£2,000	
115	Provisional sum for supply and installation of additional type 1. Refer to clause 3.3 (g)	-----	
590	CONTINGENCIES:		
	• Include the Provisional Sum of £15,000	£15,000	

A54 - Total carried forwards to p27

£49,000

PRELIMINARIES – FINANCIAL SUMMARY

		£	p
A10	PROJECT PARTICULARS		
A11	DRAWINGS		
A12	THE SITE		
A13	DESCRIPTION OF THE WORK		
A20	THE CONTRACT		
A30	TENDERING/SUBLETTING/SUPPLY		
A31	PROVISION, CONTENT AND USE OF DOCUMENTS		
A32	MANAGEMENT OF THE WORKS		
A33	QUALITY STANDARDS/CONTROL		
A34	SECURITY/SAFETY/PROTECTION		
A35	SPECIFIC LIMITATIONS ON METHOD / SEQUENCE / TIMING		
A36	FACILITIES/TEMPORARY WORK/SERVICES		
A37	OPERATION/MAINTENANCE OF THE FINISHED WORKS		
A40	CONTRACTORS GENERAL COST ITEMS: MANAGEMENT AND STAFF		
A41	CONTRACTORS GENERAL COST ITEMS: SITE ACCOMMODATION		
A42	CONTRACTORS GENERAL COST ITEMS: SERVICES AND FACILITIES		
A43	CONTRACTORS GENERAL COST ITEMS: MECHANICAL PLANT		
A44	CONTRACTORS GENERAL COST ITEMS: TEMPORARY WORKS		
A54	PROVISIONAL WORK/ITEMS	£49,000.00	
	TOTAL (carry forwards to pricing summary p43) £		

Signed _____

For and on Behalf of _____

Date _____

B MATERIALS AND WORK (SPECIFICATION / SCHEDULE OF WORKS)

		qty	unit	Rate £ / p	Total £ / p
	<p>To be read in conjunction with the preliminaries and general conditions.</p> <p>All works to be undertaken in accord with the details set out in section A Preliminaries, paying particular attention to A35 130, 131 & 132 in relation to sequence and work methods.</p>				
B1	IMPROVED (INTERIM) WEST ENTRANCE Refer to drawing MSN656/Drg14				
1.1	Relocation of existing fence:				
a)	Give 1-week advance notice of intention to commence work on the fence as required by A35 134		item		
b)	Carefully dismantle section of existing fence to be re-located, preserving materials in good condition for re-use.	26.5	m		
c)	Re-erect fence on revised line. <ul style="list-style-type: none"> New line to include re-positioning 8no. posts. Replace in-line post (near tree) with corner post removed from the existing corner. Allow for cutting down one panel of mesh infill to fit Include for supply of any additional fixings required due to loss or damage during dismantling. Back-fill around post holes with retained soil and leave site in a tidy condition. Bottom of mesh panels to finish at ground level or be slightly buried. Make good any damage to paint finish. 	22	m		
d)	Use spare panel of weld mesh to replace damaged panel on retained length of fence running north-south.		item		
e)	Allow a provisional sum to supply replacement posts should it prove impossible to remove the existing in good condition. It is thought that the existing fence may be supplied by Zaun; www.zaun.co.uk – Duo 8 system In line posts Corner post	8 1	No. No.		
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1.2	Improved access track				
a)	<p>This track runs over the existing River Somer Flood Relief tunnel. The exact alignment of the tunnel and the depth of its crown below existing levels are not recorded. All works within 8m of the tunnel will be subject to agreement of method statements with the Environment Agency to ensure that the tunnel is not damaged. Allow for preparing suitable method statements and liaison with the EA.</p> <p>It is assumed that extending the existing ditch culvert (below the eastern end of the track is included within section B3 below.</p> <p>Track to be edged by crisp cut edge of excavation – i.e. no formalised timber or concrete edging.</p>				
b)	<p><u>Existing grass areas to become track:</u></p> <p>Excavate existing grass areas to 200mm depth. Retain topsoil for re-use where topsoil is required for work elsewhere on site as part of this contract.</p> <p>Any additional arisings may be used as general soil fill as required elsewhere on site as part of this contract.</p>	135	m ²		
c)	Supply lay and compact 200mm (compacted depth) of type I sub-base	135	m ²		
d)	<p><u>Existing hard-core track</u></p> <p>Scrape 50mm depth from surface. Suitable material may be used as part of sub-base elsewhere</p>	57	m ²		
e)	<p><u>Link to riverside path</u></p> <p>Between the edge of the new 3.5m wide track and the improved riverside path (to be completed by others prior to this contract) it is to be assumed that there is an existing granular surface 2.5m wide, partially covered by leaf litter and mud.</p>	43	m ²		
f)	Scrape off accumulated leaf litter and mud to reveal granular surface below.	43	m ²		
g)	Supply and spread regulating layer of type 1 granular fill to fill any localised hollows.	43	m ²		
h)	<p><u>Surface course to entire track</u></p> <p>Supply, spread and compact to provide finished depth of min. 50mm of self-binding path gravel:</p> <ul style="list-style-type: none"> Smiths of Bletchington crushed limestone gravel material, laid and compacted in accordance with supplier's advice. https://www.smithsbletchington.co.uk/assets/files/Path%20Gravel%20NEW.pdf 	235	m ²		
Page total – cf to top of next page					

Total carried forward from previous page					
1.3	Bollards				
	Supply and install bollards as follows:				
a)	<u>Fixed bollards</u> : Broxap www.broxap.com 'Swansea' steel Bollard with slanted top. 1000mm height above ground, 114mm diameter, galvanised finish, root fixed, 300mm into ground in concrete footing. Concrete to be tidily finished 50mm below soil level. Bollard to be plumb.	2	No.		
b)	<u>Removable bollards</u> : Broxap www.broxap.com 'Swansea' steel Bollard with slanted top. Ref:BX14 6531-RM 1000mm height above ground, 114mm diameter, galvanised finish. Removable fixing sleeve with locking / cover plate, root fixed in 450x450x450mm concrete footing. Concrete to be tidily finished flush with track level. Install in accord with manufacturers recommendations, to include 100mm deep gravel soakaway below socket. Bollard to be plumb	2	No.		
c)	<u>Storage sockets</u> for removable bollards: Supply and install additional sockets for storage of removable bollards. All as above. Location to be agreed on site.	2	No.		
d)	<u>Padlocks</u> for removable bollards: Supply and install pair of padlocks with suited key (same key for both locks) and supply 4no. keys to the employer.		item		
e)	<u>Optional extension of track</u> : Provide a rate for extending track further into the Celebration Meadow based on 200mm type 1 and 50mm self-binding gravel, track 3.5m wide. Do not include in total.	per	m		
Total (carry forwards to pricing summary p43)					

B2	CELEBRATION MEADOW Refer to drawings MSN656/Drg04revA /Drg08				
2.1	Site Clearance. <i>*NB. Site area identified on Drg04revA as Woodland Edge Ground Flora and Longer Grass Margins is not part of this contract.</i>				
a)	Mark out area identified as close mown grass and cut and fill and seek approval.	5523	m ²		
b)	Spray off existing ground flora with a suitable glyphosate based herbicide applied directly to foliage. The least environmentally harmful and most selective herbicide should be used (see English Nature (2003b). Herbicides should be targeted as precisely as possible. To be used in accordance with relevant legislation and health and safety requirements, being particularly mindful of regulations in relation to use of herbicides near water courses. • Allow a period of time for the herbicide to take effect (at least 3-weeks)		item		
c)	Strip top 50-75mm of soil from entire area of meadow shown as proposed area of close mown grass. Store stripped material in a stockpile on site in a location to be agreed, for later re-use. Stockpile not to exceed 1m in height.	5523	m ²		
	<u>Clear out existing ditches to be culverted, removing accumulated silt and organic matter as follows:</u>				
d)	Ditch flowing south to north, dividing between Celebration Meadow and Wild Meadow. This ditch is understood to be concrete lined. Remove accumulated leaf litter, organic matter and other debris to expose lining. All arisings to be removed from site. Include for removing litter, timber, metal and other debris from ditch and its banks. Approx. length:	25	m		
e)	Ditch at base of amphitheatre: (no concrete lining) Remove accumulated leaf litter, organic matter together with any soft mud to reveal firm ground. Approx length:	37	m		
f)	Ditch flowing south to north, dividing between Somer Centre and Celebration Meadow: This ditch is understood to be concrete lined. Remove accumulated leaf litter, organic matter and other debris to expose lining. All arisings to be removed from site. Include for removing litter, timber, metal and other debris from ditch and its banks. Approx length:	36	m		
2.2	Culvert Headwalls & Culverts				
	<u>Culvert headwalls</u> Construct culvert headwalls as shown on the drawing and as follows:				
Page total – cf to top of next page					

Total carried forward from previous page					
a)	Ditch between Celebration Meadow and Wild Meadow: Natural stone block dry wall, stepped back. See general profile on drawing MSN656/Drg 11A Section B-B1 eliminating handrail on top. <ul style="list-style-type: none"> Allow for overall height of 1.5metres Include delivery and handling onsite 	20	Tonne		
b)	Ditch between Celebration Meadow and Somer Centre: Brick headwall to tie in with and match detail of existing. Red engineering brick.				
	<u>Culvert Pipes</u> <ul style="list-style-type: none"> Supply and install 500 diameter twin wall corrugated culvert pipes as follows: 				
c)	Ditch between Celebration Meadow and Wild Meadow:	26	m		
d)	Ditch between Celebration Meadow and Somer Centre:	34	m		
	<u>Inspection chamber</u>				
e)	Construct engineering brick inspection chamber at junction of culvert between Celebration Meadow and Somer Centre and drain outflow. Include for cast iron vehicle rated inspection cover at proposed finished grade and level.		item		
2.3	Cut and fill – refer to drawing MSN656/Drg08				
a)	Undertake cut and fill exercise to either end of Celebration Meadow to remove shoulder from end of meadow, fill ditches and grade levels as indicated by proposed contours on Drg04 and sections on Drg08.				
b)	Cut in layers not exceeding 250mm depth. Allow for keeping certain layers of excavated material that have been previously identified to have low levels of asbestos contamination separate, and use this material in the base of fill areas.				
c)	Spread fill in layers not exceeding 250mm depth and firm between layers. Use any more granular and potentially stable material for filling the ditch that will form the base of the amphitheatre.				
d)	Bring levels to within 75mm of proposed finished levels.				
e)	Regrade remaining area of Celebration Meadow shown as close mown grass, to remove significant lumps and hollows and provide smooth flowing contours across the width and along the length of the meadow.				
Page total – cf to top of next page					

Total carried forward from previous page																																																				
2.4	Re-spread preserved “topsoil”																																																			
	Re spread preserved topsoil to achieve proposed finished levels	5523	m²																																																	
a)	Provisional sum for supply and installation of additional topsoil. Topsoil may be natural or manufactured. Generally in accordance with multipurpose grade as defined by BS3882:2015	50	m³																																																	
2.5	Cultivate and seed																																																			
a)	<div><ul style="list-style-type: none">• Harrow to produce medium tilth and roll or tread to produce a level firm surface.• Sow seed during autumn• Surface sow the seed by machine or cast by hand. To achieve even distribution, divide seed in parts and sow in overlapping sections.• Do not incorporate or cover the seed, but firm it with a roller to ensure good soil-seed contact.• Seed mixture: 80% slow growing grasses 20% wildflowers and of local provenance supplied by a reputable seed supplier as follows:<table><tr><td colspan="3">Grasses</td></tr><tr><td>% weight</td><td>common name</td><td>Latin name</td></tr><tr><td>40</td><td>Crested dog's tail</td><td>Cynosurus cristatus</td></tr><tr><td>28</td><td>Slender-creeping red fescue</td><td>Festuca rubra</td></tr><tr><td>8</td><td>Common bent</td><td>Agrostis capillaris</td></tr><tr><td>4</td><td>Smaller cat's tail</td><td>Phleum bertolonii</td></tr><tr><td colspan="3">Wild flowers</td></tr><tr><td>% weight</td><td>common name</td><td>Latin name</td></tr><tr><td>4</td><td>Lady's bedstraw</td><td>Galium verum</td></tr><tr><td>4</td><td>Self-heal</td><td>Prunella vulgaris</td></tr><tr><td>3.7</td><td>Bird's foot trefoil</td><td>Lotus corniculatus</td></tr><tr><td>3.5</td><td>Meadow buttercup</td><td>Ranunculus acris</td></tr><tr><td>3</td><td>Cowslip</td><td>Primula veris</td></tr><tr><td>1</td><td>Oxeye daisy</td><td>Leucanthemum vulgare</td></tr><tr><td>0.5</td><td>Rough hawkbit</td><td>Leontodon hispidius</td></tr><tr><td>0.3</td><td>Wild red clover</td><td>Trifolium pratense</td></tr></table></div>	Grasses			% weight	common name	Latin name	40	Crested dog's tail	Cynosurus cristatus	28	Slender-creeping red fescue	Festuca rubra	8	Common bent	Agrostis capillaris	4	Smaller cat's tail	Phleum bertolonii	Wild flowers			% weight	common name	Latin name	4	Lady's bedstraw	Galium verum	4	Self-heal	Prunella vulgaris	3.7	Bird's foot trefoil	Lotus corniculatus	3.5	Meadow buttercup	Ranunculus acris	3	Cowslip	Primula veris	1	Oxeye daisy	Leucanthemum vulgare	0.5	Rough hawkbit	Leontodon hispidius	0.3	Wild red clover	Trifolium pratense			
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Total (carry forwards to pricing summary p43)																																																				

B3	AMPHITHEATRE Refer to drawing MSN656/Drg11A & Drg15				
	<p>This area will be subject to design adjustment by the Landscape Architect and further technical design details from the drainage engineer following receipt of a full topographic survey of the area and further design input from various parties.</p> <p>For tender purposes, please price on the basis of detail set out on the drawing and set out below, to include all work clearly apparent as being necessary for the complete and proper execution of the Works.</p> <p>Any pricing adjustment required as a result of the more developed design detail will be negotiated with the successful tenderer.</p>				
3.1	Site preparation				
a)	Mark out extent of amphitheatre and seek approval				
b)	<p>Spray off existing ground flora with a suitable glyphosate based herbicide applied directly to foliage. The least environmentally harmful and most selective herbicide should be used (see English Nature (2003b). Herbicides should be targeted as precisely as possible. To be used in accordance with relevant legislation and health and safety requirements, being particularly mindful of regulations in relation to use of herbicides near water courses.</p> <ul style="list-style-type: none"> Allow a period of time for the herbicide to take effect (at least 3-weeks) <p>Assumed only 25% of area will require spraying due to limited vegetation cover on steep slope.</p>				
c)	<p>Remove any remaining trees within the working area</p> <p>Allow for removing up to 25no. young trees stem diameter 50-150mm. Arisings to be chipped and spread to provide a better surface to the path rising from the NW corner of the Wild Meadow to the greenway link (see section B5 below)</p>		item		
d)	Scrape through base of ditch to remove any accumulated leaf litter, vegetation or soft ground. Remove arisings from site.				
3.2	Ditch culvert & headwalls				
a)	<p><u>Pipe for culvert</u></p> <ul style="list-style-type: none"> Supply and install twin wall corrugated culvert pipe 500 diameter 	42	m		
b)	<u>Stone for headwalls</u> – as 3.3 a) below		item		
c)	<p><u>Construct head walls:</u> as shown on the drawing 11A and with reference to section B-B1 thereon.</p> <ul style="list-style-type: none"> Allow for handrail supply and installation on top of headwall as per Handrail detail Drg.15. 		item		
Page total – cf to top of next page					

<i>Total carried forward from previous page</i>				
d)	<u>Backfill to ditch</u> Backfill ditch between headwalls as construction of these proceeds, using fill material from other operations specified on site.			
3.3	Stone block retaining walls			
	<p>Contractor to consider most appropriate work method and sequence of work to construct the amphitheatre in the most efficient and safe manner. The following sequence / method is suggested for consideration:</p> <ul style="list-style-type: none"> • Start at the bottom, first placing fill for the “stage” level, to then act as a working platform for a crane / excavator / telehandler. This will need to have sufficient reach to pass stone blocks up to the top of the amphitheatre. • Terraces will be built from the bottom up with a smaller excavator (e.g. 5 tonne) cutting each bench to take a line of stone blocks. • Blocks will be selected and handled with slings, being passed from the larger machine on the “stage” platform directly into place or alternatively to the small excavator to position and place on each terrace. • Material cut to form the next bench up can then be used to back-fill behind the line of blocks just laid. • The line of blocks forming the front of the stage and ramps up either side will then be placed last. 			
a)	Fill to establish stage level		item	
b)	Cutting benches for stone block retaining walls		item	
c)	<u>Stone for stone block retaining walls inclusive of delivery</u> <ul style="list-style-type: none"> • Stone: Purbeck natural limestone • Supplier: Lovell Stone Group, tel: 01929 439255, email: sales@lovellstone.com • Colour range: Cream / buff • Form: Natural as quarried blocks, individually selected as roughly rectilinear blocks within range of dimensions below: • Dimensions: <ul style="list-style-type: none"> ○ bed height (vertical measurement): 600-800mm ○ depth (front face to back) 450-700mm ○ face length (across front) 600-1800mm ○ Include for some stone of other dimensions to provide filler pieces and tapered ends to ramps. • Preparation: Allow for some minor site dressing of stone as laying proceeds to provide an approximately flat top and to perpendicular to allow blocks to butt reasonably closely. • Include for delivery and handling onsite 	365	Tonne	
d)	Provisional sum for supply, delivery and positioning of additional Purbeck stone blocks for amphitheatre and headwalls.	50	Tonne	
<i>Page total – cf to top of next page</i>				

Total carried forward from previous page				
e)	<u>Laying and bedding stone block walls generally</u> <ul style="list-style-type: none"> Lay a sample section of 4-6 stones or approx. 3m length of wall and seek approval of general appearance before proceeding Select each stone as laying proceeds to achieve a tidy appearance and fit to the adjacent stone and to provide an even distribution of different stone sizes. Generally the 500mm high steps between terrace levels should be achieved using a single stone, although up to 15% of any length may comprise two thinner stones stacked. Use of thinner stones should appear evenly but randomly distributed around the whole structure. 			
f)	<u>Bedding material for stone block walls</u> <ul style="list-style-type: none"> Should batch material prove suitable it may be possible to bed the stones on the batch material, however for pricing purposes assume the inclusion of a bedding layer as follows; Stone to be bedded on a minimum of 100mm depth of compacted type 1 sub-base. Compacted subgrade to extend 150mm minimum beyond the toe of each line of stone blocks and 150mm beyond the heel of the deepest stone block on any terrace Depth of remaining sub-base to vary dependant upon bed height dimension of stone being laid to a maximum depth of 300mm. 	45	m ³	
g)	Provisional sum for supply and installation of additional type 1	45	m ³	
3.4	Drainage <i>*NB this work will be subject to further drainage design which is not available at the time of this tender submission.</i>			
a)	<u>Cut off Drain behind stone retaining wall on top terrace extending to existing land drain at bottom of slope</u> <ul style="list-style-type: none"> Supply and Install 200 diameter twin walled perforated pipe wrapped with geotextile/ filter fabric to base of stone retaining wall. 	70	m	
b)	<u>Drainage aggregate for top terrace</u> <ul style="list-style-type: none"> Supply and Install Smiths Bletchington washed/ no fines 40mm Oxford Shingle behind top of retaining wall and to of cut to slope behind. 	5	m ³	
c)	<u>Drainage aggregate to cover remaining Cut off Drain</u> <ul style="list-style-type: none"> Supply and Install 40mm clean stone surrounding pipe bed 	15	m ³	
d)	<u>Drainage pipe behind remaining Amphitheatre stone walls</u> <ul style="list-style-type: none"> Supply and install 100mm perforated pipe wrapped in geotextile sock at the base of stone retaining walls and connect to cut off drain running down slope or existing land drain at bottom of slope 	350	m	
e)	<u>Drainage aggregate for all terraces other than top terrace</u> <ul style="list-style-type: none"> Supply and Install 40mm clean stone surrounding pipe bed 	50	m ³	
Page total – cf to top of next page				

Total carried forward from previous page				
3.5	Backfill to walls			
	<p>Backfill to walls using surplus sub-soil material from either Celebration meadow or Amphitheatre works. Use any more granular and potentially stable material for backfilling.</p> <ul style="list-style-type: none"> • Backfill in layers not exceeding 250mm depth and firm between layers. • Refer to preliminaries with respect to utilising surplus material from site. 			
3.6	Topsoil & seeding			
a)	Supply and Install topsoil at a minimum depth of 150mm to terraces and works area required to be made good. Topsoil may be natural or manufactured. Generally in accordance with multipurpose grade as defined by BS3882:2015			
b)	<p>Supply and install grass seed for Amphitheatre and surrounding construction area required to be made good</p> <ul style="list-style-type: none"> • Good quality general-purpose amenity / lawn seed mix. • Applied at a rate of 50g per m² to thoroughly cultivated and evenly graded ground. • Purchase fresh seed for each growing season. Do not use seed purchased for previous seasons. • Use blue label certified seed varieties complying with EC regulations for purity and germination. 			
3.7	Stone Steps between Amphitheatre terraces			
a)	<p><u>Stone for steps onto stage area</u></p> <ul style="list-style-type: none"> • Stone: Purbeck natural limestone • Supplier: Lovell Stone Group, tel: 01929 439255, email: sales@lovellstone.com • Colour range: Cream / buff • Form: Top of stone to have sawn finish to provide level step. Front face of step to be Semi dressed to provide natural appearance that ties in with retaining stones • Dimensions: <ul style="list-style-type: none"> • depth front face to back): 340mm • bed height first step (vertical measurement) 270mm • bed height second step (vertical measurement) 440mm • face length (across front) 1800mm • Risers to be a consistent 167mm utilising face of retaining wall for third riser and tread. • Treads of steps to be 350mm allowing for a 10mm mortar gap between back of step and retaining wall stone. • Preparation Allow for some minor site dressing of retaining wall stone that is acting as top step so that semi dressed stone butts neatly to face and there are no trip hazards. Top surface of retaining wall stone acting as top tread is should also be level and have no protrusions that could be considered a trip hazard. 			
Page total – cf to top of next page				

Total carried forward from previous page				
c)	<u>Foundation and Bedding material for stone block walls</u> <ul style="list-style-type: none"> Steps to be founded on a minimum of 100mm depth of compacted type 1 sub-base. Compacted subgrade to extend 150mm minimum beyond the toe and sides of each flight of steps . Steps to be bedded on a 50mm mortar bed with mortar gaps no wider than 10mm. 10mm gaps to be grouted with grout colour to match Purbeck stone as close as possible. Samples to be provided to Landscape Architect for inspection on site 			
3.8	Handrails			
	<ul style="list-style-type: none"> Supply and Install handrails to Amphitheatre as per Drg 11 and Handrail detail drg.15 Loading class to BS 6399-1 48.3mm dia. steel tube Fully welded construction. Finish: hot dipped galvanised Prepare workshop drawings for fabrication of handrails using as-built dimensions of steps and submit for comment / approval Fixing: root mounted and resin anchored as per Drg 15 			
3.9	Make good areas disturbed by the works.			
Total (carry forwards to pricing summary p43)				

B4	M&E INSTALLATION Refer to BJP Consulting Engineers drawing 18/1651/M&E/01 and M&E Services Specification rev A Prices to include all costs and charges payable to the service provider companies, all builders work as well as any main contractor's attendance, overheads and profit.				
4.1	Mechanical Services Carry forward total from BJP document section Three – Mechanical Services Tender Summary				
4.2	Electrical Services Carry forward total from BJP document section Five – Electrical Services Tender Summary				
Total (carry forwards to pricing summary p43)					

B5	GREENWAY LINK Refer to drawing MSN656/Drg12				
	<p>This area will be subject to design adjustment by the Landscape Architect and further technical design details from the drainage engineer following receipt of a full topographic survey of the area.</p> <p>For tender purposes, price on the basis of detail set out on the drawing and below, to include all work clearly apparent as being necessary for the complete and proper execution of the Works</p> <p>Any pricing adjustment required as a result of the more developed design detail will be negotiated with the successful tenderer.</p> <p>Refer to preliminaries ref A12 200 for further information regarding passage of machinery to construction site and ferrying of materials.</p>				
5.1	Preparatory work				
a)	<u>Mark out</u> and agree route of paths and steps on site				
	<u>Clear vegetation</u> – allow for removal of 3no. trees 100-150mm stem diameter and additional cutting back of smaller saplings and scrub along route of path. Arisings to be chipped and spread on top end of path down to “wild meadow”.		item		
b)	<u>Clear out accumulated leaf litter</u> , organic matter and other debris from the base of the ditch. <ul style="list-style-type: none"> Remove rubbish and un-decayed organic matter from site. Retain well decomposed material for use in making good / topsoil to either side of path. Allow for up to 450mm maximum depth. 		item		
5.2	Link path from greenway to batch terrace				
a)	<u>Drainage pipe</u> : supply and install 150mm diameter perforated corrugated plastic drainage pipe wrapped in filter fabric to base of ditch to extend from face of headwall to end of area to be filled to the west.	39	m		
b)	<u>Gabion head wall</u> : Supply and install gabion head wall across ditch to eastern end of path. For purposes of tender, assume gabions will be as per elevation B-B1' on MSN656/Drg12 <ul style="list-style-type: none"> Gabions – as Maccaferri www.maccaferri.com square welded mesh 75x75mm, min wire diameter 4mm and Galfan galvanised. All joints formed with continuous 2.2mm Galfan coated lacing wire, high tensile 3mm Galfan coated clips or Galfan coated helicoil springs. Visible back fill face: Coursed Somerset white Lias walling stone as supplied by Lovell Stone Group, tel: 01929 439255, email: sales@lovellstone.com Allow for hand laying to achieve a neat roughly coursed appearance. Hidden back fill: may be loose tipped stone of any type that accords with the gabion suppliers recommendations. Supply and install terram T700 geotextile to back face of gabions prior to backfilling 		item		
Page total – cf to top of next page					

Total carried forward from previous page				
c)	<u>Supply and Install compacted clean fill to existing ditch</u> <ul style="list-style-type: none"> Fill supplied to be clean compactable fill that contains no organic material or building waste or stone rubble above 100mm in any one dimension. Refer to preliminaries ref A12 200 for further information regarding float of machinery to construction site and ferrying of materials. Spread fill in layers not exceeding 250mm depth and compact between layers. For path surface and making good see 5.6 below Compacted / finished volume	180	m ³	
5.3	Pathway link to Wild Meadow			
a)	<u>Excavate</u> route of path, cutting into embankment up to greenway, and to provide benches for placing gabions.		item	
b)	<u>Gabion Retaining wall:</u> Supply and install gabion retaining wall along up-slope side of path. For purposes of tender, assume gabions will be as per section C-C1' and sectional elevation D-D1 on MSN656/Drg12 <ul style="list-style-type: none"> Gabions – as Maccaferri www.maccaferri.com square welded mesh 75x75mm, min wire diameter 4mm and Galfan galvanised. All joints formed with continuous 2.2mm Galfan coated lacing wire, high tensile 3mm Galfan coated clips or Galfan coated helicoil springs. Visible back fill face: Coursed Somerset white Lias walling stone as supplied by Lovell Stone Group, tel: 01929 439255, email: sales@lovellstone.com Allow for hand laying to achieve a neat roughly coursed appearance. Hidden back fill: may be loose tipped stone of any type that accords with the gabion suppliers recommendations. Supply and install terram T700 geotextile to back face of gabions prior to backfilling Backfill behind / around wall with retained soil and make good. 			
5.4	Concrete Steps and handrail together with short link path from top of steps to greenway			
a)	Exact location and alignment to be agreed on site. Steps 1.2m wide			
b)	<ul style="list-style-type: none"> Excavate area for steps to allow construction as shown on drawing MSN656/Drg12. Include excavation for link path from steps to greenway, to a depth of 200mm 		item	
c)	Soil arising to be reused as subsoil and topsoil fill onsite		item	
Page total – cf to top of next page				

Total carried forward from previous page				
d)	Construct steps including for <ul style="list-style-type: none"> 150mm type 1 hard-core base, formwork, steel reinforcing bars and concrete steps as shown on the drawing. Steps to finish with neat regular sides. Treads to have a 5mm fall to front for drainage Plain concrete with brushed finish finished volume of concrete as shown:	0.70	m ³	
e)	<u>Supply and Fix Handrails to steps:</u> <ul style="list-style-type: none"> Loading class to BS 6399-1 48.3mm dia. steel tube Fully welded construction. Finish: hot dipped galvanised Prepare workshop drawings for fabrication of handrails using as-built dimensions of steps and submit for comment / approval Fixing: either base plate resin bolted to concrete steps or root mounted, resin fixed into neat hole drilled in step tread. Re-grade / re-proliferate soil to either side of steps to largely bury the sides of the steps, soil graded to marry with level of treads. Use soil retained from initial excavation as required. 			
5.5	Handrails to footpath			
a)	<u>Supply and fix handrail:</u> <ul style="list-style-type: none"> Refer to Drg 12 and Handrail detail drg.15 Loading class to BS 6399-1 48.3mm dia. steel tube Fully welded construction. Finish: hot dipped galvanised Prepare workshop drawings for fabrication of handrails using as-built dimensions of steps and submit for comment / approval Fixing: root mounted as per drg 15 			
5.6	Granular pathways			
a)	<u>Sub base</u> <ul style="list-style-type: none"> Supply and spread 150mm layer type 1 sub-base and compact. Extend compacted sub-base 250mm beyond the visible surface edge of each side of path in a rolled profile as drawn on drg.12 section E-E1 to provide firm and stable edge to path. 	170	m ²	
b)	<u>Finished self-binding gravel surface to pathways</u> Supply, spread and compact to provide finished depth of min. 50mm of self-binding path gravel: <ul style="list-style-type: none"> Smiths of Bletchington crushed limestone gravel material, laid and compacted in accordance with supplier's advice. https://www.smithsbletchington.co.uk/assets/files/Path%20Gravel%20NEW.pdf Extend compacted sub-base 250mm beyond the visible surface edge of each side of path in a rolled profile as drawn on drg.12 section E-E1 to provide firm and stable edge to path. 	170	m	
Page total – cf to top of next page				

<i>Total carried forward from previous page</i>					
5.7	Making good				
a)	Make good sides of path and areas disturbed by the works. Feather topsoil and seeded grass surface to agreed edge of pathway.		item		
Total (carry forwards to pricing summary p43)					

Pricing Summary

		£ / p
A	PRELIMINARIES, including provisional sums (carry forward figure from page 27)	
B	MATERIALS AND WORK	
B1	Improved (interim) west entrance	
B2	Celebration Meadow	
B3	Amphitheatre	
B4	M&E installation	
B5	Greenway Link	
	GRAND TOTAL – CARY FORWARD TO FORM OF TENDER (page 1)	

Signed _____

For and on Behalf of _____

Date _____