



Essex
Wildlife Trust

Abbotts Hall Farm, Great Wigborough
Colchester, Essex, CO5 7RZ

T 01621 862960

E enquiries@essexwt.org.uk

www.essexwt.org.uk

Date: 15/08/25

Dear Sir or Madam,

TENDER FOR LIVESTOCK FENCING & ASSOCIATED INFRASTRUCTURE

You are invited to tender in competition with others to provide the goods and/or services specified above and below to Essex Wildlife Trust (EWT).

The following documents are enclosed and must be, where applicable, completed and signed on behalf of the supplier.

Document A	Instruction and Information
Document B	EWT: Introduction
Document C	Specification of Goods / Services
Document D	Company Information
Document E	Form of Offer
Document F	Terms and Conditions
Document G	Certificate of Bona Fide Offer

Please also provide a copy of any insurance certificates, a method statement and a risk assessment for the work.

Your tender response should be emailed to James Astley via jamesa@essexwt.org.uk by 5:00pm on Wednesday 27th August 2025.

Only tenders submitted in accordance with EWT's Terms and Conditions will be considered. Any tenders that are incomplete, or received after the time indicated, may be disregarded.

If you wish to discuss any aspect of this tender prior to tendering, please email jamesa@essexwt.org.uk or phone 07754 210102.

A site visit is also strongly recommended, please contact Matt Twydell on matthewt@essexwt.org.uk or phone 07761 039511.

Yours faithfully

James Astley

Grants & Trusts Manager

Essex Wildlife Trust

Document A: Instructions and Information

1. This document is designed to be completed electronically. You are required to mark boxes, insert information or submit additional documentation in response to the questions herein. Whilst the text boxes should expand as you add text, if there is insufficient space for your response, please attach a separate document clearly marked with the name of your Company, the reference number and the number(s) of the question(s) to which it relates. Please 'sign' this document by adding your name to the end of Document G.
2. If you are unable to comply with a request for information or provide documentation requested, then a written account explaining the absence of the information must accompany the return of this tender. Please be aware that the failure to respond to any of the questions, without a written reason, may result in a negative evaluation of that element within the overall evaluation of this questionnaire.
3. EWT may require supplementary information or clarification, or further evidence of the information given. EWT may wish to visit reference sites given as evidence of relevant experience.
4. EWT may request interviews with all or a selection of applicants or none. Applicants will be notified in due course. The ability of suppliers may also be determined by, amongst other factors, references, certification, site visits and 'mystery shopping'.
5. Please answer the questions specifically for your company, NOT for the group if you are part of a group of companies. Please note the term "Company" refers to: Sole proprietor, partnership, incorporated company, co-operative, or voluntary organisation as appropriate.
6. During the term of this agreement and for 1 year thereafter, neither party shall solicit to work for it any person who is or was employed by the other party and who has been involved in the provision of the Services at any time during the preceding 12 months. For the avoidance of doubt, if a person who is or was employed by the other party at the relevant time responds to a publicly advertised recruitment campaign, the recruiting party shall not be deemed to have solicited that person from the other party. If either party is in breach of this, it shall pay to the other party an amount equivalent to the gross salary paid by that other party to the relevant employee for the final 12 months of employment.
7. No charge will be made to EWT by applicants for any preparation costs accrued during the tender process, whether the applicant was successful or not.
8. You are invited to submit your best offer for the work as detailed below. EWT reserves the right to undertake post-tender negotiations.
9. It should be noted that in any contractual relationship that is subsequently entered into, reference will be made to the detailed information provided in the formal response to this tender document provided by the successful organisation. Thus, answers and information given in your reply will become a binding part of the contractual obligations between yourselves and EWT.

10. Timetable

Invitation to Tender document sent out	15/08/2025
Tender documents to be returned	27/08/2025
Award of contract	December 2025
Commencement of services / orders for goods	From March 2026
End of contract*	December 2026

* Contracts may be extended upon agreement.

11. EWT does not bind itself to accept the lowest or any tender and reserves the right to accept part

only of a Tender. EWT reserves the right to procure individual elements of the required solution from one or more supplier as appropriate.

Whilst EWT aims to provide feedback on failed submissions this may not always be possible, and EWT is under no obligation to do so.

12. Tender Evaluation Process

Tenders that fail to meet essential requirements may be excluded from consideration.

Tenders that fulfil essential requirements will be evaluated on the basis of the most economically advantageous tender, weightings as detailed below.

Criterion	Weighting
Service Delivery	25%
Price	30%
Relevant experience	30%
Environmental considerations	15%

Document B: Introduction

Abbotts Hall is a 282ha former arable farm and home to Essex Wildlife Trust's head office. A quarter of the site is intertidal, following a pioneering coastal realignment in 2002. The forthcoming Charles III Coast Path national trail will cross the site.

The long-term vision is to create a dynamic, climate-resilient mosaic of grassland, scrub and ponds ideal for a range of nationally important key target species found in Essex including nightingale and turtle dove. A sustainable, low-intervention management strategy using native breed cattle and sheep for extensive low-density grazing will preserve current habitats and allow for maintenance of the early-successional habitats our key target species need while supporting natural regeneration.

Livestock "nofence" technology will be utilised and will enable precise control of grazing in response to specific local/seasonal needs and conditions. To prepare the site for our livestock we will install perimeter livestock fencing around two enclosures and along the Coast Path route:

- A main enclosure of 67.5ha with c4460m of new fencing (c4230m field edge, c230m scrub/woodland, 3 ditched hedge crossings), 10 field gates, 1 pedestrian gate, livestock corral area and cattle handling system. Work to include approximately 200m of existing stock fence to be removed.
- 1. A southern enclosure of 22.6ha with c2,600m of new fencing (c2270m field edge, c330m scrub/woodland, 1 ditched hedge crossing), 9 field gates, 1 pedestrian gate, livestock corral and handling area. 2000m of existing stock fence to be removed.
- c2,000m of additional fencing along the Coast Path to guide visitors and enable animal movements to graze of a further 12ha of land, 13 field gates and 2 pedestrian gates.

In total there is c9,060m of fencing, of which 560m is scrub/woodland with 4 ditched hedge crossings, two corrals, 32 field gates (excluding cattle handling system), 4 pedestrian gates. A total of 2200m of existing fencing to be removed

The work is part of a larger scale programme at Abbotts Hall and will be financed by external grant funding that is currently being applied for and for which we expect a final decision in December.

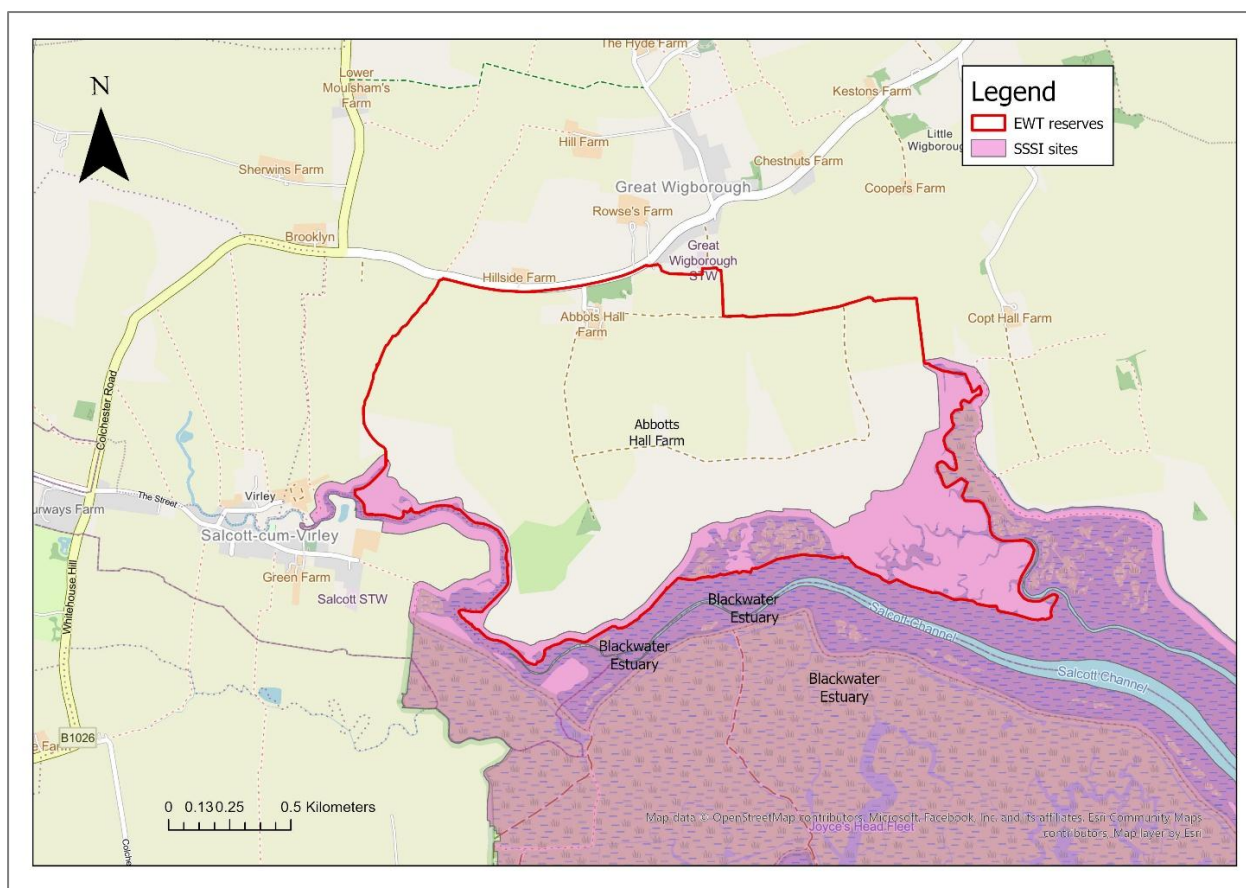


Figure 1: Location of work at Abbots Hall, Great Wigborough, Colchester, Essex C05 7R

Document C: Specification of Goods/Services

We are seeking competitive prices for the installation of approximately 9,000m of livestock fencing, field and pedestrian gates, livestock corrals and livestock handling areas.

The contract will commence in spring 2026.

All fencing must conform to Essex Wildlife Trusts (EWT) fencing specification as outlined in Appendix 1.

Bill of Quantities

Prices should be inclusive of all materials and labor and include:

1. Existing fence removal with waste removed and disposed of offsite. The approximate length of fence to be removed is 2,200m. The existing fence to be removed is standard stock fence.
2. Vegetation management along the new fence line as required. Please provide a per m quote for small scrub and larger scrub and trees. The approximate length of removal is 50m. Please note that this must not be carried out within nesting bird season without approval and appropriate ecological surveys.
3. Installation of new fencing to the EWT specification. Please provide per m cost and total cost:
 - a. Woodland edge fencing: 560m
 - b. Field edge fencing: 8,500mMaterial costs to include:
 - i. Sheep netting and wire as per EWT specification
 - ii. Intermediate chestnut posts as per EWT specification. Please include approximate number of posts required.
 - iii. Chestnut strainers, turners (allowing for 4 per 100m for open edges and 6 per 100m for wooded sections). Please include approximate number required
 - iv. Post and rail timber for gate and fence junctions
 - v. 32 galvanized half mesh field gates to be installed as per EWT specifications. Hanging/slammer posts and fixings to be included in the price. Please note this excludes the cattle handling system gates and infrastructure.
 - vi. 4 large pedestrian gates
 - vii. Two livestock corrals (one per enclosure) consisting of two pens (approx..20m by 30m).
 - viii. A livestock handling system. The system is to be integrated with one of the corrals. Design subject to detailed and further design.
 - c. Installation and supply of badger access gates. Please allow for 2 per 100m.

Maps and designs



Map One: Main Enclosure (Red Line)

4460m fencing (c4230m field edge, c230m scrub/woodland, 3 ditched hedge crossings), 10 field gates (yellow dots), 1 pedestrian gate (blue dot), corral and cattle handling area (pink, see tender specification). 200m stock fencing to be removed (see map four).



Map Two: South Enclosure (Grey Line)

2600m fencing (c2270m field edge, c330m scrub/woodland, 1 ditched hedge crossing), 9 field gates (yellow dots), 1 pedestrian gate (blue dot), corral and cattle handling area (pink). 2000m stock fencing to be removed (see map four).



Map Three: Coastpath Fencing (Blue Line)

2000m fencing in two main runs with smaller additional areas, all field/path edge or on former seawalls, 13 field gates (yellow dots), 2 pedestrian gates (blue dots)



Map Four: Fencing to be removed

2200m stock fencing to be removed

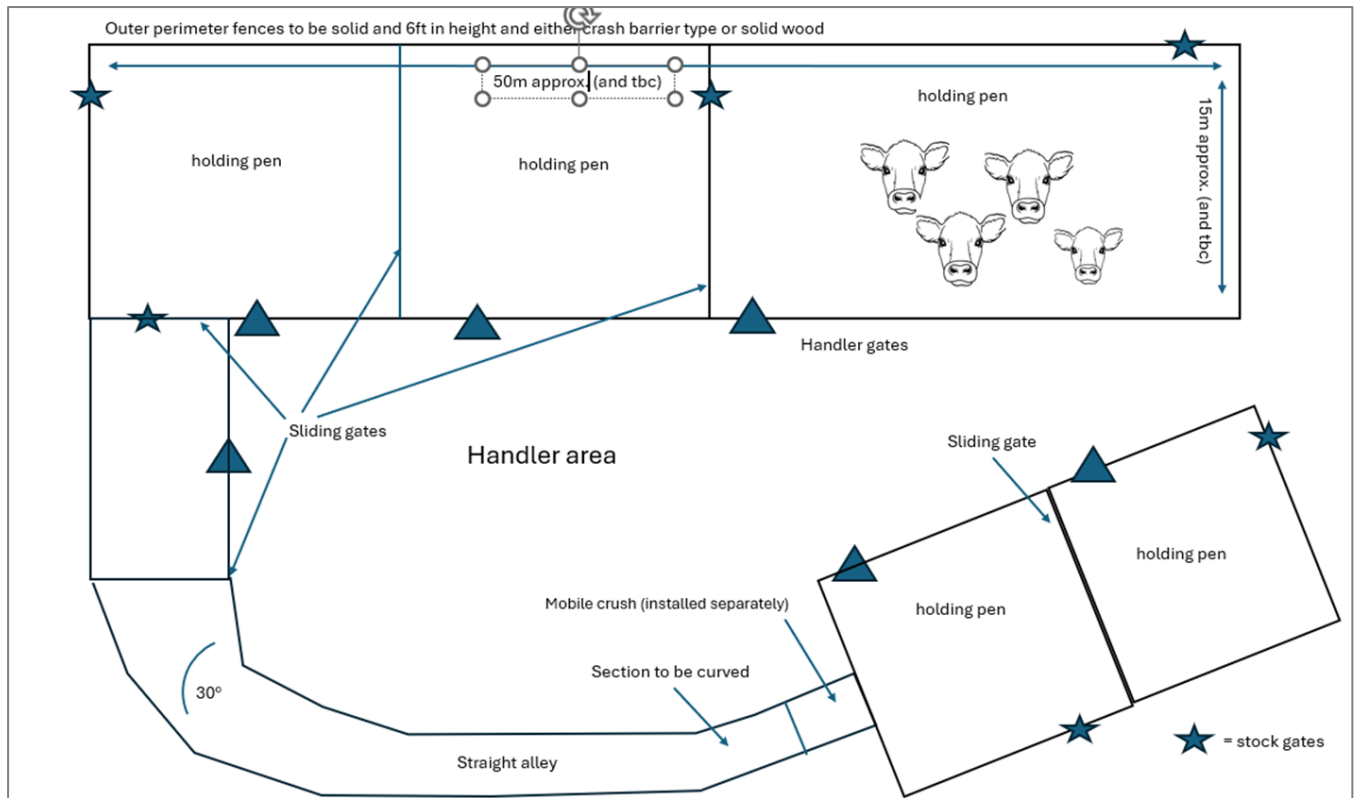


Figure 2: Approximate design of the cattle handling system and subject to detailed and further design

Document D: Company Information

1.0	General
1.1	<p><u>Registered Name</u></p> <p><u>Trading Name (if different)</u></p>
1.2	<p><u>Correspondence Details</u> Name of person applying on behalf of the company</p> <p>Address:</p> <p>Telephone:</p> <p>Mobile:</p> <p>Email:</p> <p><u>Registered office Address (if different from above)</u></p>
1.3	<p><u>Company Registration No (if applicable)</u></p> <p>VAT registration number (if applicable)</p>
1.4	<p><u>Date company was founded (if a limited company, date of incorporation)</u></p>
1.5	<p><u>Company structure and nature of company</u> Please outline the nature of the company, whether it is a partnership, sole trader, plc etc.</p> <p>Is the company proposed as party to the contract part of a larger organisation? If so please explain the relationship between the various parts of the organisation, up to the ultimate holding company.</p>

	Current number of full time equivalent staff currently employed by the company (not larger parent company)
1.6	<p><u>Accreditation by / Membership of Trade Association(s)</u></p> <p>Is your Company registered with any industry accreditation body? YES NO If yes, please provide details: _____</p> <p>Is your Company on any public sector Framework agreements? YES NO If yes, please provide details: _____</p> <p>Please state membership of any professional bodies/ other associations below: _____</p>
1.7	<p><u>Quality Assurance</u></p> <p>Is all / part of your company ISO9001 Quality Assured? YES NO</p> <p>Is all / part of your company ISO14001 Quality Assured? YES NO If yes please provide copy of certification</p> <p>Do you have any other Quality Assurance? If Yes, please summarise details below</p>
1.8	<p><u>Environmental Commitments</u></p> <p>Is all / part of your company registered under Science Based Targets (https://sciencebasedtargets.org/net-zero), Business Climate Hub (https://businessclimatehub.org/uk/) or equivalent? YES NO</p> <p>If Yes, please summarise details below</p>
2.0 Financial & Business Probity	

2.1	<u>Judgements etc.</u> Are there any judgements, claims or suits pending or outstanding against your company?		
Yes	No	If Yes, please provide full details	
Has your company ever failed to complete a contract?			
Yes	No	If Yes, please provide full details	
2.2	Please answer all of the following questions as they apply to your Company's circumstances. Please confirm that:		
1) being a company, no resolution has been passed or Order of the Court made for the company's winding up otherwise than for the purposes of bona fide reconstruction or amalgamation, nor has a receiver, manager or administrator on behalf of a creditor been appointed in respect of the company's business or any part thereof, nor is it the subject of any proceedings for any of the above procedures, nor is it the subject of similar procedures under the law of any other state.			
Confirmed Not confirmed Non-applicable			
2) being a partnership, it has not granted a trust deed or become otherwise apparently insolvent, or it is not the subject of a petition presented for sequestration of its estate.			
Confirmed Not confirmed Non-applicable			
3) being an individual, you are not bankrupt, or have not had a receiving order or administration order made against you, or have not made a composition or arrangement or trust deed with or for the benefit of your creditors, or have not made any conveyance or assignment for the benefit of your creditors, or have not had a petition presented for sequestration of your estate or do not appear to be able to pay or to have no reasonable prospect of being able to pay a debt within the meaning of the Insolvency Act or any similar procedure under the law of any EC member state.			
Confirmed Not confirmed Non-applicable			
4) no Directors, Partners, Associates or the Company Secretary have been involved in any Company which has been liquidated or gone into receivership.			
Confirmed Not confirmed Non-applicable			
5) none of the Directors, Partners, Associates or the Company Secretary have been convicted of a criminal offence relating to the conduct of their business or profession.			
Confirmed Not confirmed Non-applicable			
6) neither the Company nor any of the Directors, Partners, Associates or Company Secretary has committed an act of grave misconduct in the course of their business or profession.			
Confirmed Not confirmed Non-applicable			
7) all obligations relating to the payment of taxes under the law of any part of the United Kingdom or the EC member state in which the Company is established has been fulfilled			
Confirmed Not confirmed Non-applicable			

8) all obligations relating to the payment of social security contributions under the law of any part of the United Kingdom or the EC member state in which the Company is established have been fulfilled.

Confirmed

Not confirmed

Non-applicable

If you have ticked '**Not confirmed**' for any questions above please give details here

2.3 Please list the names of any Director, Partner, Associate or Company Secretary who have been employed by EWT, giving department and dates.

Please give details of any Director, Partner, Associate or Company Secretary who have a relative who is employed by EWT at a senior level.

Please list the names of any Director, Partner, Associate or Company Secretary who have any involvement in other Companies who provide services to EWT

Is any work being undertaken or likely to be undertaken during the next three years by the Company or staff within it which could give rise to a conflict of interest through acting for third parties or otherwise? If yes, please explain the actual or likely circumstances and how such potential conflicts of interest would be handled.

2.4 Insurances (a scanned copy of each certificate will be requested)

	Insurer	Policy No	Value of Cover	Expiry Date
Employers Liability				
Public Liability				
Prof. Indemnity				
All Risks (if applicable)				

2.5 Has your company (or any building/project you have undertaken) won any awards, accolades or recognition?

YES

NO

If yes please provide full details.

3.0 Health & Safety and Environment

3.1 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of health & safety legislation?

YES	NO	If yes please provide full details.
3.2 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of environmental legislation?		
YES	NO	If yes please provide full details.
3.3 Has your company been served with any enforcement or prohibition notices or been prosecuted in the past 5 years for breaches of data protection legislation?		
YES	NO	If yes please provide full details.
3.4 Have any restrictive clauses in relation to your company's Employer's Liability, Public Liability or Professional Indemnity Insurance policies been enforced in the last 5 years due to past Health & Safety performance?		
YES	NO	If yes please provide full details.

Document E: Form of Offer

Cost

Cost for providing goods/services, as outlined in specifications (Document C). Please provide a breakdown as required.	
1. Existing fence removal	£
2. Vegetation management	£
3. Installation of new fencing	Total: £
i. Netting and wire	£
ii. Chestnut posts	No.: £:
iii. Strainers and turners	No.: £:
iv. Post and rail for junctions	£
v. 32 field gates	£
vi. 4 pedestrian gates	£
vii. 2 livestock corrals	£
viii. 1 livestock handling system (indicative as subject to final design)	£
4. Badger access gates	£
SUM TOTAL (ex. VAT)	
SUM TOTAL (inc. VAT)	

Added Value

As well as any charity rate that you may be able to offer, EWT is always open to corporate partnerships that deliver benefit to your organisation, EWT and nature. Working as part of your CSR agenda we can provide opportunities for fundraising and volunteering, offering your staff both personal and career development opportunities. We also welcome all forms of gifts in kind as valuable contributions to our work.

Suppliers should provide details of any associated added value features/services/gifts in kind available to EWT under the terms of this Tender. (Attach separate document if needed).

Please note, added value donations will not be part of the criteria we use to decide on which supplier to choose.

Approach to the Project

What would be your approach to this project (include method statements, risk assessment etc.)? (Attach separate document if needed)

After sales service

Please indicate details of any warranty period associated with the goods / service, and how any such work will be carried out. Include details of contingency planning in case of disaster

(such as fire, strikes, flooding etc). (Attach separate document if needed)

References

Suppliers are requested to provide details of three references from their existing clientele, supplying full name, address, telephone number, email address, contact name, period of Contract and the estimated annual value of the Contract. In supplying this information, Suppliers shall have granted EWT permission to seek such information as deemed necessary, in relation to the Suppliers performance with their nominated references.

Reference 1

Company Name		
Address		
Telephone No		Ext
Email		
Contact		Dates of work
Nature of work done		Value of contract

Reference 2

Company Name		
Address		
Telephone No		Ext
Email		
Contact		Dates of work
Nature of work done		Value of contract

Document F: Certificate of Bona Fida Offer

We certify that this offer is made in good faith, and that we have not fixed or adjusted the amount of the offer by or under or in accordance with any agreement or arrangement with any other person. We also certify that we have not, and we undertake that we will not:

1 a) communicate to any person other than the person inviting these offers the amount or approximate amount of the offer or proposed offer, except where the disclosure, in confidence, of the approximate amount of the offer was necessary to obtain insurance quotations required for the preparation of the offer;

b) enter into any agreement with any other person that s/he shall refrain from making an offer or as to the amount of any offer to be submitted;

2 pay, give or offer or agree to pay or to give any sum of money or other 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 offer or proposed offer for the goods/services any act or thing of the sort described in 1 a) or 1 b) above.

We acknowledge that if we acted or shall act in contravention of this certificate, EWT will be entitled to cancel the agreement and to recover from ourselves the amount of any loss and expense resulting from such cancellation.

I state that everything in this tender submission is truthful, that if found to be untruthful EWT can terminate any agreement between EWT and the company formed on the basis of this tender, and we will pay to EWT any loss or expenses EWT suffers as a result of such untruthfulness, whether an agreement is entered into or not.

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

Signed	
On behalf of	
Date	

Please note: a name added in an electronic document is functionally equivalent to a signature.

Appendix 1: Essex Wildlife Trust Fencing Specification

Stock Fencing (Standard)

Overall fence (post-top) height 1100mm.

Strainers, box assembly, vertical posts 1x2.4mx150-200mm Ø, 1x2.4mx150-200mm Ø, horizontal bar 2.4mx125-150mm Ø, max 400m apart, minimum of 1.30m into the ground. Multiple boxes to be used as ground conditions dictate, at the contractor's discretion. Horizontal bars to be rebated max 10mm, fixed by 12mm Ø, 300mm steel pins, at a height that brings it between the 2 top wires, pins should be driven into a pre-drilled hole of 10mm (12mm if using Chestnut) to prevent moisture from entering the timber. 3.15mm HT plain wire strained around assembly and joined with crimp sleeves. The 12mm Ø pin on the strutting post should be left with 25mm showing to put the diagonal wire over.

Delivery of materials

- If the contractor is in any doubt as to whether materials delivered to site meet the specifications laid out in the contract, the contractor is to contact the Trust's Field Officer before these materials are used.

Gates and Fencing Materials

- All softwood timber to be pressure treated to British Standard and HC4 (hazard class 4), any cut surface to be treated with recommended sealant – no post tops to be cut.
- All round posts to be peeled and pointed. The diameter measurements of round posts are a minimum along the entire length of the post.
- All softwood posts to be covered by a minimum 15 year warranty, this warranty information is to be passed to EWT on completion of the contract
- All timber to be FSC (Forest Stewardship Council) and from a sustainable British source.
- Where possible EWT will provide Sweet Chestnut and Oak timber to be used from their own reserves
- All Sweet Chestnut to be de-limbed, peeled and pointed
- No notching, cross cutting or boring shall be permitted unless all exposed timber is given two generous brush applied coats of a compatible end grain sealer/preservative. No cut ends should be placed in ground or water contact.

Objective

- To install a fence that is stock proof for; 'new-born native breed lambs', sheep, ponies and cattle. Including, as necessary, the removal of old fencing and line clearance works. All operations to be undertaken in a manner that minimises impact to the site.

Plain line fencing

Overall fence (post-top) height 1100mm.

Strainers, box assembly, vertical posts 1x2.4mx150-200mm Ø, 1x2.4mx150-200mm Ø, horizontal bar 2.4mx125-150mm Ø, max 400m apart, minimum of 1.30m into the ground. Multiple boxes to be used as ground conditions dictate, at the contractor's discretion. Horizontal bars to be rebated max 10mm, fixed by 12mm Ø, 300mm steel pins, at a height that brings it between the 2 top wires, pins should be driven into a pre-drilled hole of 10mm (12mm if using Chestnut) to prevent moisture from entering the timber. 3.15mm HT plain wire strained around assembly and joined with crimp sleeves. The 12mm Ø pin on the strutting post should be left with 25mm showing to put the diagonal wire over.

Rabbit Fencing

To add an 'apron' of rabbit netting to the following specification;

Wire netting, 1200x31x18 gauge, clipped with sheridized hog rings to top, middle and bottom of stock netting. Top of rabbit netting to be at top of stock netting. Turned out onto EWT land and pegged at base at 0.5m intervals, subject to ground conditions to ensure that the netting stays tightly against the ground. Pegs should be 6mm x 400mm galvanised J pins.

All wire to be galvanised to British Standard

Turning posts, 2.4mx150-200mm Ø, at every change of direction, less than 30 degrees. Minimum of 1.30m in the ground. Strainer assembly to be used at turns exceeding 30 degrees and as ground conditions dictate, at the contractor's discretion.

Intermediate posts, 1.85mx75-100mm Ø, max 5m apart (3.5m if CS funded). Minimum 0.75m into the ground.

Tie downs to be used on all types of post as necessary. An intermediate post should be installed at 45° to the vertical post to a depth of at least 0.9m. Tie down post should be fixed with a 12mm galvanised pin using a pre-drilled 10mm hole, between 100mm and 200mm above ground level.

2 plain top wires, 3.15mm high tensile, lower wire approx. 25mm above netting, top wire 1050mm above ground level (therefore 50mm below top of post).

Stock netting, R 8/80/22, approx. 25mm above bottom wire. Stock netting should be tied to around the end post of the straining assembly according to the manufacturers approved specification, OR joined using 2.5mm crimp sleeves. Gripple T-Clips are not appropriate.

Plain bottom wire, 3.15mm high tensile, approx. 25mm above ground level

Staples, 40mm x 3.15mm galvanised, barbed, angled across the grain of the timber, driven to a depth that does not crush the galvanising, does allow wire to move as it expands and contracts (or gets pressured by stock), but does not allow enough room for wire to rattle in the wind, which can damage the galvanising.

Wires should be joined by tying to the manufacturers approved specification, or by using a crimp sleeve designed for the task, 2.5 / 3.15 sleeve or 3-4 sleeve and crimped to the manufacturers specification. We do not consider Gripples to be appropriate. All wire ends are to be neatly twisted around the strained wire and cut flush to prevent injury to people and livestock.

Post and 5-Rail Fencing

Overall fence (post top) height 1100mm.

Posts 1.85mx125mmx75mm (or 1.8mx100-125mm Ø). Minimum of 0.75m in the ground.

Rails 3.6mx87mmx38mm. Nails 100mm galvanised. Maximum distance between posts 1.8m, using 5 rails at spacings in Figure 1a, top of top rail to be 1050mm above ground level. Rails to be nailed to field side of posts. The rails to be overlapped so all ends do not meet on same post

Turning posts, 2.4mx150-200mm Ø, at every change of direction, less than 30 degrees. Minimum of 1.30m in the ground. Strainer assembly to be used at turns exceeding 30 degrees and as ground conditions dictate, at the contractor's discretion.

Intermediate posts, 1.85mx75-100mm Ø, max 5m apart (3.5m if CS funded). Minimum 0.75m into the ground.

Tie downs to be used on all types of post as necessary. An intermediate post should be installed at 45° to the vertical post to a depth of at least 0.9m. Tie down post should be fixed with a 12mm galvanised pin using a pre-drilled 10mm hole, between 100mm and 200mm above ground level.

Plain bottom wire, 3.15mm high tensile, approx. 25mm above ground level

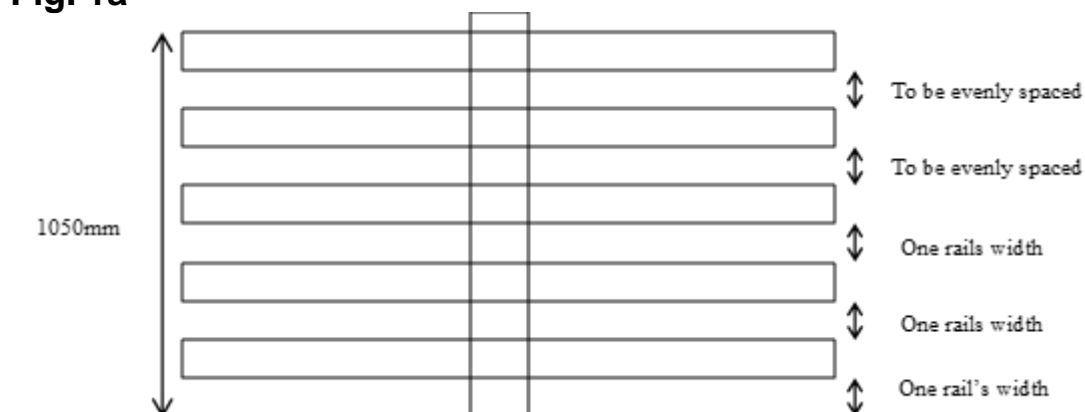
Plain top wire, 3.15mm high tensile, approx. 25mm below post top

Centre wires, 3.15mm high tensile, 2 wires evenly spaced.

Staples, 40mm x 3.15mm galvanised, barbed, angled across the grain of the timber, driven to a depth that does not crush the galvanising, does allow wire to move as it expands and contracts (or gets pressured by stock), but does not allow enough room for wire to rattle in the wind, which can damage the galvanising.

Wires should be joined by tying to the manufacturers approved specification, or by using a crimp sleeve designed for the task, 2.5 / 3.15 sleeve or 3-4 sleeve and crimped to the manufacturers specification. We do not consider Gripples to be appropriate. All wire ends are to be neatly twisted around the strained wire and cut flush to prevent injury to people and livestock.

Fig. 1a



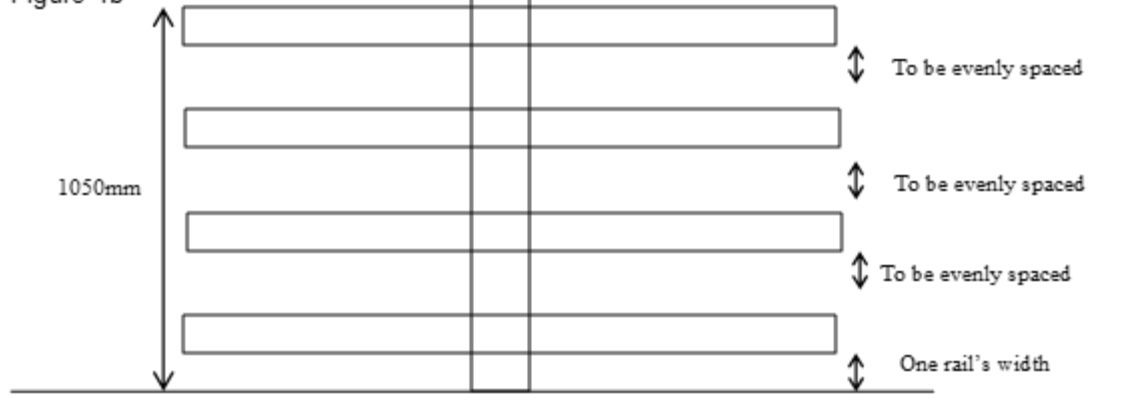
Post and 4-Rail Fencing

Overall fence (post top) height 1100mm.

Posts 1.85mx125mmx75mm (or 1.8mx75-125mm Ø). Minimum of 0.75m in the ground.

Rails 3.67mx87mmx38mm. Nails 100mm galvanised. Maximum distance between posts 1.8m, using 4 rails at spacings in Figure 1b, top of top rail to be 1050mm above ground level. Rails to be nailed to field side of posts. The rails to be overlapped so all ends do not meet on same post.

Figure 1b



5-Rail Splays

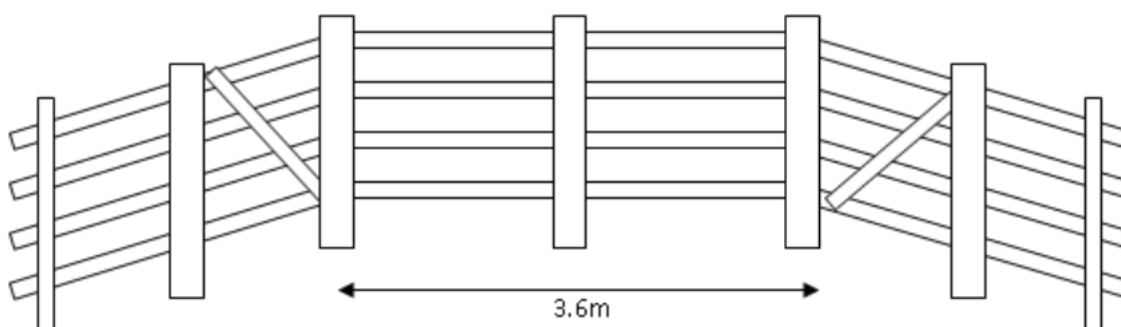
Splays to be installed to secure fence and water junctions for all livestock (including sheep and lambs), posts 2.4m x 100mm x 125mm weather topped, no more than 2.1m apart. 5 square edged rails 50 x 100 mm x 4.2m nailed at spacings in Figure 1a.

Posts may be driven in if kept vertical, square and to appropriate spacings.

First spacings from gate posts and strainers should be diagonally braced as pictured below, nailed on all rails.

Rails should be fixed to gatepost using a 75x75mm baton fixed with 150mm nails as pictured below





Water control stock barriers

Barriers across the top of water control bunds. 4x rails 100 x 50 mm, posts 75 x 150mm weather topped (top posts need be only 1.85m, posts in bank 2.4m length), overall height as post and rail specification. Nails 100mm galvanised.

Water Gates to the following specification. The objective of these gates is to provide a stock barrier, but allowing for the removal of gate and rails when flooding may occur – to avoid obstructing a large flow of water.

2 square vertical posts; length 2000mm, tops 125mm x 125mm, set at first break of bank on either side of drain

3 2400-(+)mm x 100mm x 50mm rails, set at 350mm intervals, the lower rail to be 50mm above ground level, the top rail to be 1050mm above ground level, in line with overall height of stock fencing 1100mm

Hurdle to be made from 100mm x 50mm rails to fit drain profile and attached to bottom rail with galvanised chain.

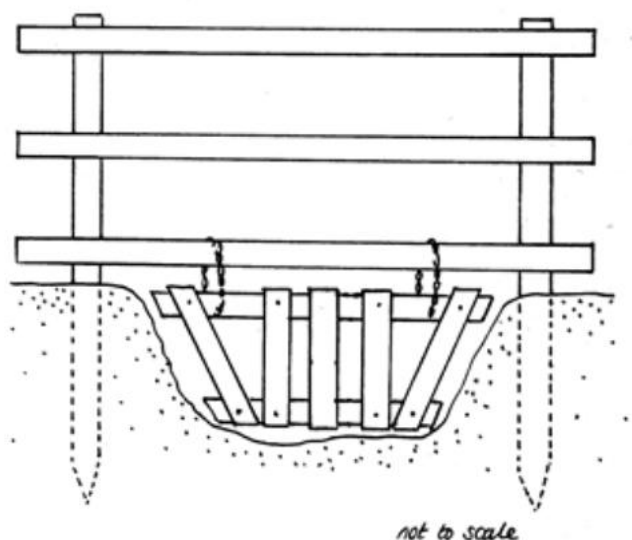
Rails to be held in place by galvanised steel brackets (see figure 2).

All steel to be galvanised to British standard.

All timber to be softwood pressure treated to British Standard.

Fencing water ways that cross the fence line (where impeding flow of water is not an issue)

Netting to be strained across the top of the channel. Infill with two intermediate posts (or longer if necessary – at the contractor's discretion) and 87mmx38mm rails at 87mm spacings



Field gates: 3.6m pressure treated softwood gates, all rail joints morticed and tenoned, rail and brace crossings bolted with galvanised bolts, top rail 100mmx75mm, cross braces and under rails 75mmx25mm, hanging stile 125mmx75mm, shutting stile 75mmx75mm. With galvanised adjustable hinges & auto latch and D-loop catch; wooden field gates should also include a restraining hook as shown below. Pressure treated softwood posts, 2.4mx175mmx175mm hanging post, 2.1mx150mmx150mm shutting post, plus a suitable resting post (either 100-125mm Ø or 125x75mm) as shown below, to hold the open gate against the splay or fence.

All gates should be hung with the hook to drive inverted so that the gate cannot be lifted off, the latch should be set so that the weight of the gate is borne on both posts. Gate posts should not be concreted in.

Gates should be installed at a height so that the largest gap is no more than 87mm. All gate posts to be isolated from strainers, any gap larger than 100mm to be filled with intermediate post and five 87mmx 38mm rails at spacings shown in figure 1. Rails should only be nailed to post, and either strainer or gate post, so that if one moves it does not move the other. This cost should be included in gate price.

Metal Field gate: 4.2m heavy duty galvanised gate; hanging stile 50mmx50mm box section, slam stile 50mmx25mm box section, top & bottom rails 44.5mm Ø tube, intermediate rails 38mm Ø tube, height 1.14m with adjustable hinges and D-loop catch and galvanised auto latch. Pressure treated softwood stone headed posts, 2.4mx175mmx175mm hanging post, 2.1mx150mmx150mm shutting post.