

Ref: EIR2022-022

████████████████████
15th September 2022

Dear ██████████,

Further to our email of 29th July 2022 regarding your request for the following information:

I am writing to seek information you may hold in relation to the former military test site at Orford Ness, Suffolk. The is located approximately at Ordnance Survey Grid Refence (645290 Easting 250680 Northing), see figure below (extract from Google Earth, July 2022), herein referred to as 'the site'. The information is required in order to manage health and safety during the development of the Norfolk Boreas and Vanguard Offshore Wind Farm (OWF) a Lesser Black-backed Gull (LBBG) compensation project. A review of public domain information indicates that the site was used as a military test site during the World Wars and up until the Cold War.

Royal HaskoningDHV are undertaking an desk based contaminated land assessment. We would be grateful if you could search the military archive records associated with the site and a 250 m buffer around the site, so that we can further inform our contaminated land assessment and manage health and safety on site.

Information of interest would include and is not limited to details on the following:

- *Any historical contaminated land assessments and unexploded ordnance (UXO) surveys or clearance certificates.*
- *Areas of historical land infilling/waste disposal, including burning grounds.*
- *What was tested on the site, with particular respect to contaminants which may be within the site, which could include and are not limited to: radiological, chemical weapons or explosive residues.*
- *Historical site usage and inventory of building usages and activities undertaken on site, such as manufacturing or engineering workshops.*
- *Details regarding building construction.*
- *Historical plans of the test site.*
- *Historical photographs of the former military test site (including aerial) and this area in particular.*

As this request is for environmental information, your request has been handled as a request for information under the Environmental Information Regulations 2004 (the Regulations). The Regulations are broadly similar to the FOI Act, but specifically apply to environmental information.

We can confirm that the Atomic Weapons Establishment (AWE) holds part of the information in scope of your request, some of which we can release, while some is withheld due to its classification.

Annex A contains a document which provides information pertaining to the first of your specific points:

- *Any historical contaminated land assessments and unexploded ordnance (UXO) surveys or clearance certificates.*



This document has been redacted in line with Regulations 12(5)(a), which provides that a public authority may refuse to disclose information to the extent that its disclosure would adversely affect international relations, defence, national security or public safety, and 13(1), in which the Atomic Weapons Establishment (AWE) are obliged to comply with the Data Protection Act 2018 and UK GDPR and as such are prohibited from disclosing personal data to third parties where doing so would breach the data protection principles set out in the UK GDPR.

Regulation 12(5)(a) is subject to the Public Interest Test (PIT) which has been conducted and has on balance fallen in favour of applying the exception and providing a redacted copy of the document. Building numbers are routinely redacted from documents as it is deemed that providing this level of detail could assist our adversaries in building up a picture of the sites' layouts and potentially allowing them to target specific areas of the sites. Any disruption to the activities undertaken at AWE would ultimately impact on the ability to safeguard the defence of the nation.

We can confirm that AWE holds several other documents in scope of your request, however these are being withheld, also under Regulation 12(5)(a) of the EIR. The PIT has been conducted and has fallen in favour of applying the exception and as such withholding the information contained in these documents in full.

AWE recognises that the Regulations make a presumption in favour of disclosure wherever possible, and that there is some public interest in transparency around the historical use of the site at Orford Ness, especially because it is now a publicly accessible nature reserve. However, there is a strong compelling public interest in safeguarding national security and in withholding any information that might prejudice it.

The retained information has been considered previously and again for this request, and it is still considered highly classified.

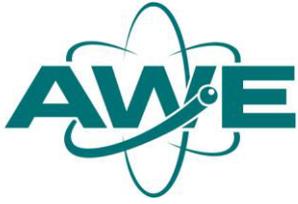
Details of the build standards of AWRE trials at Orfordness remain classified because specifics of the components and design of previous nuclear weapons would still be useful to adversaries or third-party states trying to create their own nuclear weapons or trying to find flaws in the UK's deterrent. Details of previous tests may also inadvertently provide information about the UK's current warhead, which would give adversaries crucial details about the deterrent and consequently allow them to build up a picture of the UK's overall capabilities. This would reduce the effectiveness of the deterrent and impinge on the defence of the United Kingdom.

On balance it is considered that although there is an argument for transparency and release, this is outweighed by the high likelihood that the information contained in the documents would be useful to adversaries to create their own nuclear weapon; with the consequence that the UK's national security would be prejudiced. As releasing information about previous and current nuclear weapons programmes would also breach the UK's legal obligations and interests under Article 1 of the Treaty on the Non-Proliferation of Nuclear Weapons, the information is being withheld.

Under EIR Regulation 9, the duty to advise and assist, we'd like to point you to several sources of information that are available within the public domain.

One is an article which can be found at this location:

<https://historicengland.org.uk/research/results/reports/8603/TheAtomicWeaponsResearchEstablishmentOrfordNessSuffolkColdWarResearchandDevelopmentSiteSurveyReport>



Aldermaston ▪ Reading
Berkshire ▪ RG7 4PR

www.awe.co.uk

And one is a book, which can be purchased here: <https://www.amazon.co.uk/Orfordness-Secret-Gordon-Kinsey/dp/0861380061>

The Ministry of Defence may also hold information of interest to you regarding historical plans of the site, you can contact them at: cio-foi@mod.uk or by writing to them at MOD Information Rights Team, Ground floor, Zone D, Main Building, Whitehall, London SW1A 2HB.

Please remember to quote the reference number above in any future communications. If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you are unhappy with the way your request has been handled you have a right to request an internal review within 40 days of receiving this letter, by writing to information.requests@awe.co.uk or our postal address: Information Requests Team, AWE Aldermaston, Reading, RG7 4PR. If you are still unhappy after an internal review has been completed, under the provisions of Section 50 of the Freedom of Information Act 2000 you have the right to take your complaint to the Information Commissioner's Office. Please note the Commissioner will generally not consider a complaint until you have exhausted AWE's internal complaints process.

Yours sincerely,

AWE Information Requests Team

UNCLASSIFIED

ATOMIC WEAPONS RESEARCH ESTABLISHMENT

FILE BEGINS 24/12/63 ENDS

PART 1

FILE TITLE ORFORDNESS LANDS AND LEGAL

FILE NUMBER

EXTRACTION OF SHINGLE — EAST
SUFFOLK AND NORFOLK RIVER AUTHORITY
~~BOARD~~

OG/11/14

A.

INDEX HEADINGS

PART 1
FILE NUMBER

OG/11/14

REFER TO

Min.
or
Enc. No.

Date

REFER TO

Min.
or
Enc. No.

Date

REFER TO

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Date

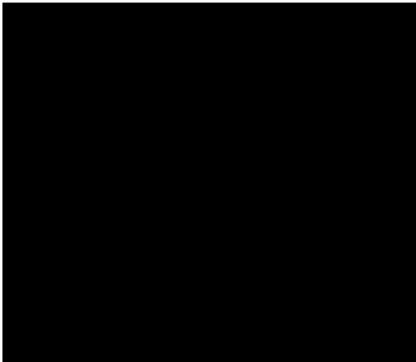
EM1991/32
023909
AW2014/173

Ex Box R483/1
New Box W049/03

AFTER COMPLETION REFER TO:—

UNCLASSIFIED

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF 4/B CP/24 (3)
YOUR REF OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E
Telephone 53257-8

24th December, 1963.

Dear Sir,

Sea Defence - Aldeburgh Area

Further to my letter of the 18th November, I enclose drawings nos. 3020, 3052 and 3089 setting out the Board's proposals for the construction of the gabion system and clay wall to the south of the existing wall. The construction of these works will, with the permission of your Authority, involve the winning of 37,950 cu. yds. of material from the marsh area and 600 cu. yds. of shingle from the area previously used.

Drawing no. 3176 also enclosed shows in red the area from which it is proposed to obtain the clay. This area is larger than will prove necessary but due to changes in soil conditions the Engineer wishes to give himself sufficient area in which to operate. Precautions will of course be taken to ensure that the site is left in reasonable condition before it is vacated.

I shall be very pleased to receive the Authority's permission to carry out this work and also to the winning of the materials as outlined above.

Yours faithfully,



United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.

OG/19/05
4/B.CP/24(3)

8th January, 1964.

East Suffolk & Norfolk River Board,
The Cedars,
Albemarle Road,
Norwich, NOR 81.E.

For the attention of [REDACTED]

Dear Sir,

Sea Defences - Aldeburgh Area

Thank you for your letter of the 24th December, 1963, concerning the Board's proposals for new sea defences in the Aldeburgh area and for the drawings which you enclosed.

I am pleased to inform you that the Atomic Energy Authority have no objection to the works detailed in the drawings concerned, nor to the winning of 37,950 cubic yards of clay from the marsh area and 600 cubic yards of shingle from within our Northern security fence in the area previously used. No charge will be made for the clay but the price for the shingle will be 1/- per cubic yard as previously agreed with your [REDACTED].

We are, however, anxious that you should ensure that the existing natural drainage in the marsh area from which the clay will be taken, is not affected. We are also concerned that the area should be left in reasonable condition at the termination of your operations.

It would be helpful if you could let me know sometime before the major operations are commenced, as I should like to arrange at that time to inspect the area with your [REDACTED].

Yours faithfully

[REDACTED]

EAST SUFFOLK AND NORFOLK RIVER BOARD

THE CEDARS,

ALBEMARLE ROAD,

NORWICH, NOR 81 E.

9th January, 1964.

Your Ref. OG/19/05
Our Ref. 4/B CP/24(3)

Dear Sir (or Madam),

I have to acknowledge with thanks receipt of your letter of
8th January re Sea Defences - Aldeburgh Area
which is receiving attention.

~~will be submitted to the Board~~

Yours faithfully,

[Redacted signature block]

POST CARD
THE ADDRESS TO BE WRITTEN ON THIS SIDE

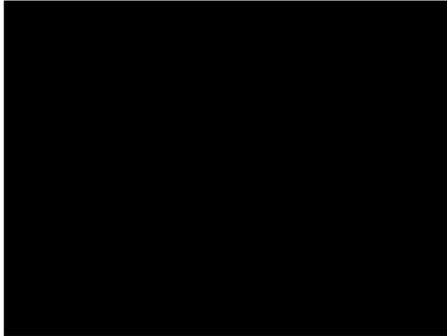


[REDACTED]

United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.



EAST SUFFOLK & NORFOLK RIVER BOARD

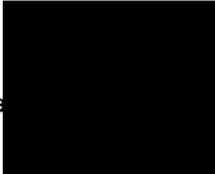


OUR REF 4/B CP/24 (3)

P.A. YOUR REF OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E.
Telephone 53257-8

15th January, 1964.



Dear

Sea Defences - Aldeburgh Area

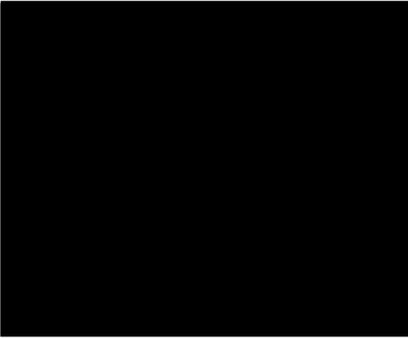
I have to thank you for your letter of the 8th January and am pleased to note that your Authority have no objection to the works as shown on the drawings.

The conditions set out in your letter are agreed by the Board and arrangements have been made for [redacted] to contact you prior to the commencement of the work.

Yours faithfully,
[redacted signature]

[redacted],
United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF 4/B CP/24 (3)
YOUR REF OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E
Telephone 53257-8

7th February, 1964.

Dear Sir,

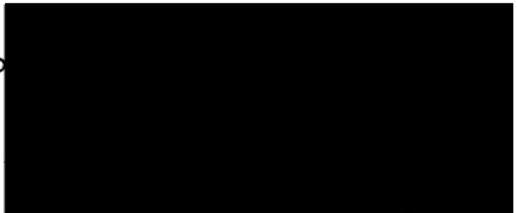
Sea Defences - Aldeburgh Area

In connection with the works now being undertaken to strengthen the Aldeburgh Sea Defences, the River Board have been considering the desirability of further and more extensive beach nourishment along the length of the wall and also at the scour hole beyond the southern terminal of the wall and in this connection, the Hydraulics Research Department are carrying out an investigation to determine the littoral drift. It is anticipated that something in the region of 200,000 cubic yards of shingle will be required and I am therefore approaching your Authority to enquire whether they would be prepared to consider the required material being obtained from the areas shown coloured pink on the enclosed plan.

No borings have been taken to determine the depth of shingle that is available and it would be more economical from the Board's point of view to take it out to the maximum depth to which it is available.

I should be pleased to hear that your Authority will again be willing to assist the Board in this matter and whether you would wish to impose any terms or conditions on the winning of this material. It may be that in view of the amount of shingle required, you would wish to discuss this matter possibly on site.

Yours



United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.

4/B CP/24 (3)

CG/19/05

11th February, 1964.

East Suffolk & Norfolk River Board,
The Cedars,
Albemarle Road,
Norwich, NOR. 8LE.

For the attention of [REDACTED]

Dear Sir,

Sea Defences - Aldborough Area

Thank you for your letter of 10th February, 1964, which is now receiving attention. I will be writing to you in the near future.

Yours faithfully,
[REDACTED]

CG/19/05
4/B CP/24 (3)

11th March, 1964.

East Suffolk & Norfolk River Board,
The Cedars,
Albemarle Road,
Norwich, NOR 8L.E.

For the attention of [REDACTED]

Dear Sir,

Sea Defences - Aldeburgh Area

You wrote to me on the 7th February, 1964, concerning the proposed sea defence works in the Aldeburgh area, which the East Suffolk & Norfolk River Board wish to undertake using quantities of shingle from A.W.R.E., Orfordness.

I am to inform you on behalf of the Authority, that there is no objection in principle to the River Board proposal to extract up to 200,000 cubic yards of shingle from the areas shown in your drawing CG/19/9.

In conveying to you this agreement in principle, I should point out that the Authority would wish to impose certain conditions. These could possibly be best considered at a site meeting which I should be happy to attend at any time convenient to you, but I outline them briefly here in order that you can give them some preliminary consideration.

1. The Authority would charge the River Board 1/- per cubic yard for shingle extracted from A.W.R.E., Orfordness.
2. The method of extraction and transportation to Aldeburgh must be agreeable to the Authority.
3. No shingle shall be extracted from below the island water table.
4. If at any time during the works, the extraction of shingle should interfere with known or future works of the Atomic Energy Authority, then the Authority reserve the right to terminate this agreement.

Obviously, we should hope to allow you to complete the extraction of shingle with as little interference as possible and I can, at this stage, assure you of our wish to co-operate to the full.

It may be that in view of the amount of shingle, and consequently the sum of money, involved, that you would wish to have this agreement more formally set out. If this is so, perhaps you would let me know, but otherwise the Authority would be content to rest the agreement upon an exchange of letters.

Yours faithfully,

[REDACTED]

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF 1/A CP/24(3)

YOUR REF P.A. OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E
Telephone 53257-8

18th March, 1964.

Dear Sir

Sea Defences - Aldeburgh Area

Thank you for your letter of the 11th March. I am glad to hear that you agree in principle and I will write to you again sometime after Easter with a view to a meeting on the site when we can sort out all the details.

Yours

[Redacted]
[Redacted]
United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.

P.A & B/R. 12/5/64.

e 9

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF 1/A CP/24(3)

YOUR REF OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E
Telephone 53257-8

30th April, 1964.

Dear [REDACTED],

Sea Defences - Aldeburgh Area

I write to confirm the result of our meeting on Tuesday, 28th April when it was agreed that the River Board would accept the terms set out in your letter of the 11th March regarding the taking of shingle from the property of the Authority as indicated on the drawing already submitted.

The Board note condition No.4 regarding the right of the Authority to terminate the agreement and appreciate that this is something which is perhaps inevitable. The Board understand however, that you will give as much notice as is possible should this course of action become necessary, and I must make the point that termination of the Agreement might have serious effects for the Board since the essence of the works for which the shingle is required is that a sufficient quantity should be placed on the foreshore at Aldeburgh more or less in one operation.

I should also inform you that the Board would desire to remove the shingle by a light railway track and the intention is that this should be left in position so that the Board can carry out any intermittent feeding of shingle which may later become apparent. I trust that the Authority will have no objection to this.

The Engineer will send to you direct a plan showing the route of the railway track.

You did enquire as to when the Board would be able to start. From a very brief perusal of the plant position from tenders received it would appear that the railway track and wagons cannot be delivered for a period of sixteen to eighteen weeks and as you know I am not yet in a position to place any orders.

I would like to thank you for your co-operation in this matter and for your assurance of full co-operation.

Yours sincerely,

[REDACTED],
United Kingdom Atomic Energy Authority,
ORFORDNESS,
Woodbridge, Suffolk.

[REDACTED]

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF R/ASD5/71.

YOUR REF

THE CEDARS,
ALBEMARLE ROAD
NORWICH
Telephone 21257-8.

Area Office,
111, High Street,
Aldeburgh.

Phone: Alde. 305.

10th August, 1964.


A.W.R.E.
Orfordness.

Dear Sir,

Aldeburgh Sea Defences.

Further to my conversation with you last week I confirm that we would like to take a quantity of shingle from the Island and transport it up to Aldeburgh for work on the Sea Defences. Quantities involved are approximately as follows:

1. 600 Cu. yds. for the shingle plug at the south end of the proposed new clay wall.
2. 2,000 to 3,000 Cu. yds. for re-constructing the shingle berm behind the new sea wall through the breached section.
3. 2,000 Cu. yds to be utilized between the main borrow pit area and Aldeburgh for the making up of a solid base for the laying of the rail track.

These quantities of shingle are in addition to the amount of 200,000 Cu. yds odd negotiated for by our Head Office for beach nourishment purposes.

Your approval to the removing of this quantity of shingle is requested and a payment of 1/- per Cu. yd. royalty will be made to you by the Board.

It is hoped to start moving some of this up as soon as we have your approval.

Y

OG/19/05
R/ASD5/71

12th August, 1964.

East Suffolk & Norfolk River Board,
Area Office,
111 High Street,
Aldeburgh.

For the attention of [redacted]

Dear Sir,

Aldeburgh Sea Defences

Thank you for your letter of 10th August, 1964, requesting approval for the removal of a quantity of shingle from Orfordness in connection with work on the Aldeburgh sea defences. This letter is to give you formal approval of your proposals for the removal of approximately 6,000 cubic yards of shingle.

The terms and conditions affecting this transaction will be those applicable to the earlier agreement for the removal of 200,000 cubic yards of shingle, as outlined in my letter dated 11th March, 1964, and addressed to [redacted] of the East Suffolk & Norfolk River Board.

I should be grateful if you would advise me when you wish the work to commence, and keep me informed of the progress.

Yours faithfully,
[redacted signature block]

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF

4/B CP/24(4)

YOUR REF

OG/19/05

THE CEDARS.
ALBEMARLE ROAD.
NORWICH, NOR 81 E
Telephone 53257-8

10th September, 1964.

Sea Defences - Aldeburgh Area

Further to my letter of the 30th April, and your reply of the 12th May, owing to the increase in the size of the scour hole it will now be necessary to obtain an extra 100,000 cubic yards of shingle and I shall be pleased to hear that your Authority will have no objection to this being obtained from the areas agreed at our meeting on site subject to the same terms and conditions.

Yours sincerely,

[REDACTED],
United Kingdom Atomic Energy Authority,
Orfordness,
Woodbridge,
Suffolk.

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF

4/B CP/24(4)

YOUR REF

OG/19/05

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E.

Telephone 53257-8

16th September, 1964.

Dear

Sea Defences - Aldeburgh Area

I acknowledge with thanks receipt of your letter of the 14th September conveying your Authority's approval to the extraction of 300,000 cubic yards of shingle from land at Orfordness.

Yours sincerely,

United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

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CG/19/05
4/B CP/24(4)

14th September, 1964.

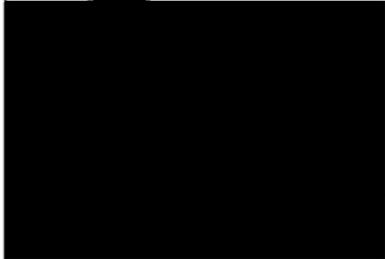
East Suffolk & Norfolk River Board,
The Cedars,
Albemarle Road,
Norwich, NOR 8L.E.

For the attention of 

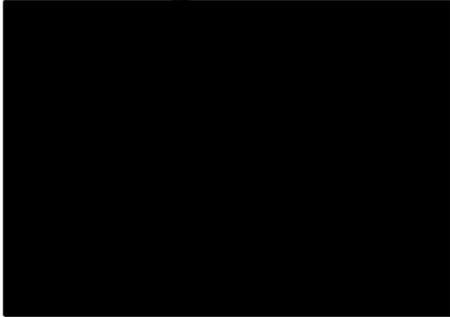
Dear Sir,

Sea Defences - Aldsburch Area

Thank you for your letter of 10th September, 1964. The United Kingdom Atomic Energy Authority is agreeable to the extraction of an extra 100,000 cubic yards of shingle from our land at A.W.R.E., Orfordness, on the terms and conditions outlined in my letter of even reference, dated 11th March, 1964. Authority is hereby given for you to extract 300,000 cubic yards of shingle instead of 200,000 as indicated in my earlier letter.



EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/ASD 6/23.

YOUR REF
Area Office,
111, High Street,
ALDBURGH,
Suffolk.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NORFOLK.
Telephone 53257-8

Phone, Alde, 305.

23rd February, 1965.

A.W.R.E.
Orfordness,
WOODBIDGE,
Suffolk.

Dear Sir,

Aldeburgh Sea Defences

With reference to our recent conversation and referring also to my letter of the 10th August, 1964. I set out below the quantities of shingle which we have taken for each of the three items:-

1. Shingle plug for clay wall - 603 cu. yds.
2. Back fill to new sea wall - 3290 cu. yds.
3. Rail track base - 2010 cu. yds.

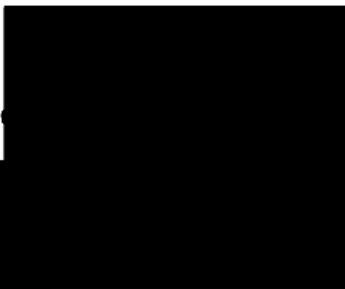
Agreement 2.
Quantities agreed - £295.3. -

WORK CARRIED OUT SATISFACTORILY
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED



9/4/65.



£96,000 To Save The Coastline

TO complete the sea defences at Slaughden, about 300,000 cubic yards of shingle are being transported by rail from natural deposits in the waste area behind Sudbourne beach.

The East Suffolk and Norfolk River Board have laid 3½ miles of narrow gauge single line track over the marshland, and four 30 h.p. diesel locomotives are running over this track continuously. Each locomotive draws 17 hopper-like trucks each of which is capable of carrying over two tons of shingle.

The difficulties of single line operation have been overcome by the construction of sidings and loop-lines.

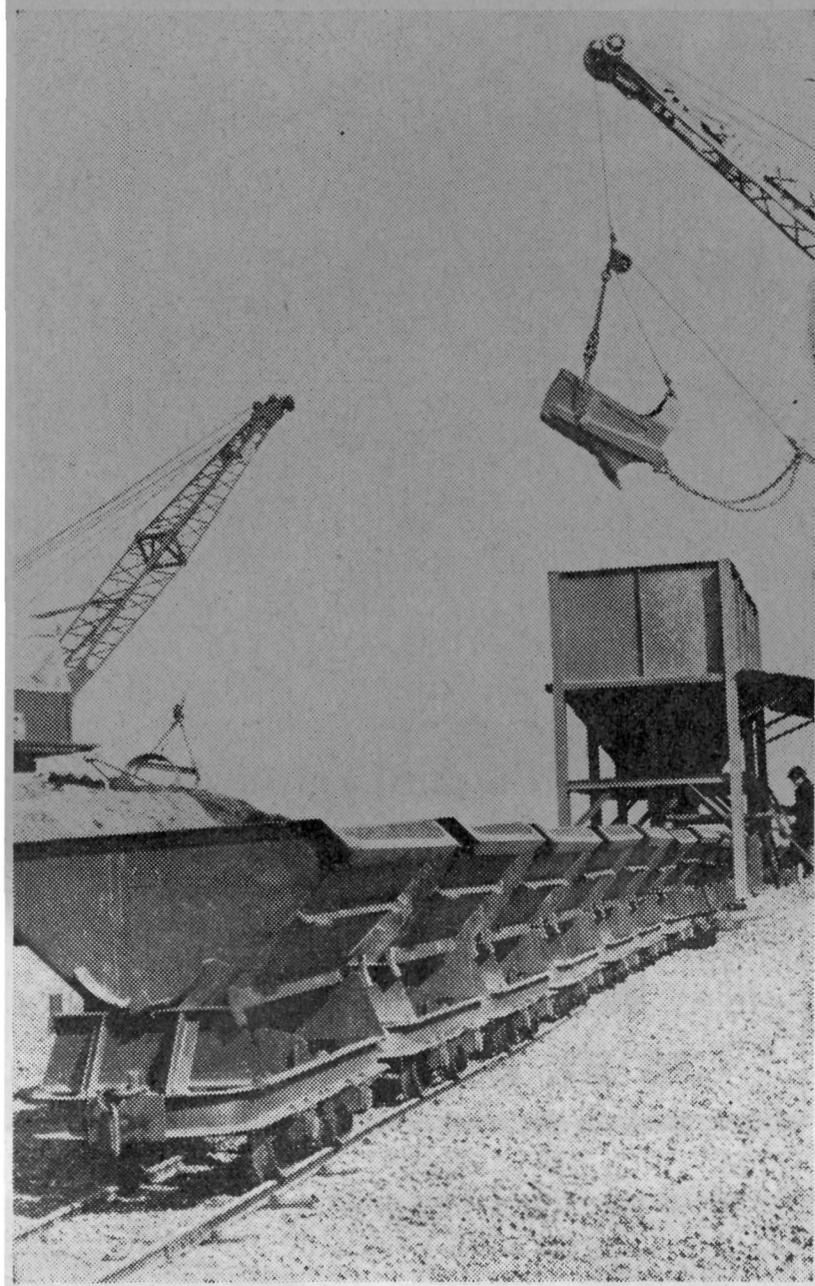
At Sudbourne, the trucks are filled from two large hoppers and the loading operation for each train takes less than five minutes. Two grab cranes are kept working to keep the hoppers filled.

The shingle is being unloaded from the top of the defence wall at Slaughden, near the Martello Tower, to replenish the beach between the groyne system. It is planned to dress the shingle into a gentle slope to the water in order to absorb wave action and lessen the possibilities of erosion.

Approximately 800 tons of shingle can be moved each day, weather permitting.

When the beach replenishment is completed attention will be directed to the large bay which was scoured out at the end of the concrete defences in the storms of 1963. Wire baskets filled with concrete rubble have been prepared and will be sunk in this area as groynes.

The cost of the present work, which is expected to be completed within 18 months, has been put at over £96,000.



EAST SUFFOLK & NORFOLK RIVER BOARD

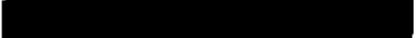
OUR REF R/ASD 6/30.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E.
Telephone 53257-8

YOUR REF
Area Office,
111, High Street,
ALDEBURGH,
Suffolk.

Phone. Alde. 305.



,
A.W.R.E.
Orfordness,
Orford,
WOODBRIDGE.

23rd March, 1965.

Dear Mr. Broome,

Aldeburgh Beach Nourishment.

Further to our recent discussion the total volume of shingle transported from Orfordness for beach nourishment at Aldeburgh, up to and including the 21st March, 1965 is 20,332 cubic yards.

It would be of great assistance if you could let me have an invoice for Royalty charges on this amount before the 29th of this month. Payment of this invoice will be passed at the Board's meeting on the 9th April.

Agreement
Quantities agreed:- £1016-12.-.
Yours sincerely,
WORK CARRIED OUT SATISFACTORILY.
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED  9/4/65.



OG/11/12

[REDACTED]
 H.E.O. Cash Accounts,
 Building [REDACTED],
 A.W.P.E.,
 Aldermaston.

A.W.P.E. Orfordness - Extraction of Shingle
by East Suffolk & Norfolk River Board

We spoke about the agreements I have concluded with the East Suffolk & Norfolk River Board for the extraction of shingle from land owned by the Authority at Orfordness, and I promised to let you have copies of the relevant correspondence, together with a covering minute, to enable you to establish a procedure for the issue and payment of invoices.

The River Board, as agents of the Ministry of Transport, is undertaking a major coast protection scheme within the Aldeburgh Borough boundary, on land immediately north of ours at Orfordness. As an aid to this, we were asked to allow the extraction of shingle for transportation by light railway, built from Orfordness to the Aldeburgh boundary. By agreement with [REDACTED], C.A.O., and [REDACTED], M.C.S., this is being dealt with by me as a Legal and Lands matter rather than on a contractual basis, although I have copied the correspondence to date, to [REDACTED].

The two agreements referred to are as follows:-

1. An agreement for the extraction of 200,000 cubic yards of shingle as outlined in the River Board's Letter of 7th February, 1964, and accepted in my letter of 11th March, 1964, and acknowledged and accepted by the River Board letter of the 30th April, 1964. This amount of 200,000 cubic yards was subsequently increased to 300,000 cubic yards by the River Board letter of 10th September, 1964, and my reply of 14th September, 1964. Copies of each of these letters are attached.
2. An agreement for the extraction of approximately 6,000 cubic yards of shingle on the same terms as 1. above, as outlined in the River Board letter of 10th August, 1964, and my reply of 12th August, 1964. This latter agreement was to enable the River Board to carry out small ancillary works, in preparation for the main sea defence scheme. Copies of this correspondence are also attached.

The procedure to be followed for the payment of these amounts by the River Board, is outlined below:-

- (a) The River Board will notify me each month, of the quantities of shingle extracted.
- (b) I will certify these notifications, and pass the original to you requesting the issue of an invoice for the relevant amount.
- (c) The River Board will settle these accounts direct with you, and I shall need to be informed only in the cases of disputes, or discrepancies, or of long standing accounts.

Will you now, therefore, please issue the following invoices to the East Suffolk and Norfolk River Board, The Cedars, Albemarle Road, Norwich, NOR. 5LE:-

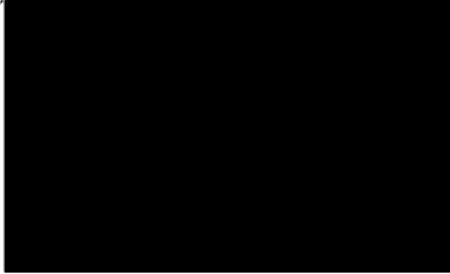
1. In the sum of £295. 3. 0., being the first and final payment for the ancillary works referred to in agreement number 2. above. [REDACTED] letter, reference R/ASD6/23, dated 23rd February, 1965, refers. The original of this letter is attached, duly certified.
2. In the sum of £1,016. 12. 0., for the extraction under agreement number 1. above, of 20,332 cubic yards, up to and including the 21st March, 1965.

/The Area

[REDACTED] letter, reference R/ASD6/30, dated 23rd March, 1965, refers. The original of this letter is attached:

These two invoices should be kept separate.

Would you please let me know if you have any difficulties concerning these arrangements.



A.W.R.E.,
Orfordness.
FWB/MSB
9th April, 1965.

Encs:

H.E.O. Cash Accounts,
Building [REDACTED]
A.W.R.E.
Aldermaston.

A.W.R.E. Orfordness - Extraction of Shingle
by East Suffolk & Norfolk River Board

We spoke about the agreements I have concluded with the East Suffolk & Norfolk River Board for the extraction of shingle from land owned by the Authority at Orfordness, and I promised to let you have copies of the relevant correspondence, together with a covering minute, to enable you to establish a procedure for the issue and payment of invoices.

The River Board, an agent of the Ministry of Transport, is undertaking a major coast protection scheme within the Aldeburgh Borough boundary, on land immediately north of ours at Orfordness. As an aid to this, we were asked to allow the extraction of shingle for transportation by light railway, built from Orfordness to the Aldeburgh boundary. By agreement with [REDACTED], C.A.O., and [REDACTED] M.C.S., this is being dealt with by me as a Legal and Lands matter rather than on a contractual basis, although I have copied the correspondence to date, to [REDACTED].

The two agreements referred to are as follows:-

1. An agreement for the extraction of 200,000 cubic yards of shingle as outlined in the River Board's letter of 7th February, 1964, and accepted in my letter of 11th March, 1964, and acknowledged and accepted by the River Board's letter of the 30th April, 1964. This amount of 200,000 cubic yards was subsequently increased to 300,000 cubic yards by the River Board letter of 10th September, 1964, and my reply of 14th September, 1964. Copies of each of these letters are attached.
2. An agreement for the extraction of approximately 6,000 cubic yards of shingle on the same terms as 1. above, as outlined in the River Board letter of 10th August, 1964, and my reply of 12th August, 1964. This latter agreement was to enable the River Board to carry out small ancillary works, in preparation for the main sea defence scheme. Copies of this correspondence are also attached.

The procedure to be followed for the payment of these amounts by the River Board is outlined below:-

- (a) The River Board will notify me each month, of the quantities of shingle extracted.
- (b) I will certify these notifications, and pass the original to you requesting the issue of an invoice for the relevant amount.
- (c) The River Board will settle these accounts direct with you, and I shall need to be informed only in the cases of disputes, or discrepancies, or of long standing accounts.

Will you now, therefore, please issue the following invoices to the East Suffolk and Norfolk River Board, The Cedars, Albemarle Road, Norwich, NOR. 01E:-

1. In the sum of £295. 3. 0., being the first and final payment for the ancillary works referred to in agreement number 2. above. The Area Engineer's letter, reference R/ASD6/23, dated 23rd February, 1965, refers. The original of this letter is attached, duly certified.
2. In the sum of £1,016. 12. 0., for the extraction under agreement number 1. above, of 20,332 cubic yards, up to and including the 21st March, 1965.

/The Area

[REDACTED] letter, reference R/ASD6/50, dated 23rd March, 1965, refers. The original of this letter is attached.

These two invoices should be kept separate.

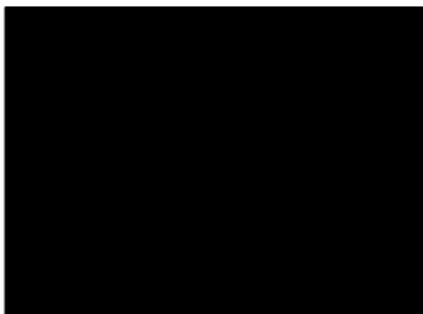
Would you please let me know if you have any difficulties concerning these arrangements.

[REDACTED]

A.W.R.E.,
Orfordness.
PWB/MSD
9th April, 1965.

Encls:

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/PSD 4/40.

YOUR REF
Area Office,
111, High Street,
AIDEBURGH,
Suffolk.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NORFOLK
Telephone 53257-8

Phone. AId. 305.

A.W.R.B.
Orfordness,
Orford,
WOODBRIDGE.

4th May, 1965.

Dear ,

Aidburgh Beach Tonnage Scheme.

I set out below weekly totals of shingle transported from Orford to Aidburgh Beach for the period:-

W/E.	28/3/65.	3,124 Cu.Yds.
W/E.	4/4/65.	2,542 Cu.Yds.
W/E.	11/4/65.	3,259 Cu.Yds.
W/E.	18/4/65.	3,319 Cu.Yds.
W/E.	25/4/65.	2,612 Cu.Yds.
W/E.	2/5/65.	3,798 Cu.Yds.

The total amount for period 22nd March to 2nd May, 1965 (inclusive) being 19,312 Cu.Yds.

I shall be glad to receive your invoice for Royalty charges in due course.

Agreement 1 *Original Sent to Cash Account 11/5/65*
Quantities Agreed. - £965-12.

WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED 11/5/65.



41

OG/11/14

12th May, 1965.

[Redacted]

East Suffolk and Norfolk River Authority,
111 High Street,
Aldeburgh,
Suffolk.

Dear [Redacted],

Orfordness Extraction of Shingle

Following the discovery of several unexploded bombs in the area from which you are extracting shingle for beach nourishment at Aldeburgh, you asked me to investigate the possibility of having the former bomb range swept by a bomb disposal team.

I have to inform you that the United Kingdom Atomic Energy Authority would not be prepared to pay the cost of this operation, and would refer you to the enclosed drawing which shows the shingle area contained within the former range. You will see that this is very extensive.

In the circumstances, will you please confirm that you require this area to be swept for bombs or other unexploded missiles, and that the East Suffolk and Norfolk River Authority would be prepared to bear the cost of such operations in addition to the royalties at present charged.

Yours sincerely,

[Redacted signature block]

c.c. [Redacted] C.A.O., Building [Redacted], A.W.R.E., Aldermaston.

EAST SUFFOLK & NORFOLK RIVER AUTHORITY

OUR REF AGA/KFS CO/19/9

YOUR REF OG/11/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E.
Telephone 53257-8

18th May, 1965.

[REDACTED],
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

Dear [REDACTED],

Orfordness Extraction of Shingle.

[REDACTED] has sent me your letter dated 12th May, and in view of the danger to personnel involved in the present situation and also the urgency of the project, I should be glad if you would arrange for sweeping of the bombing range as soon as possible.

I am of course seriously concerned at the costs that will arise from this operation, over and above the royalty costs which we are already paying, and would ask you to let me have early information on the probable scale of these charges so that I may report to my Authority on the whole matter.

Yours sincerely,

[REDACTED]

41

AGA/KFS CO/19/9

OG/11/14

21st May, 1965.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Norwich, NOR. 81.E

For the attention of the [REDACTED]
[REDACTED]

Dear [REDACTED],

Orfordness - Extraction of Shingle

Thank you for your letter of 18th May, 1965, concerning the question of sweeping the former bombing range at Orfordness in the area from which you are extracting shingle.

I have written to the appropriate Authorities on this matter asking them to let me have, as a matter of urgency, their views on the practicability and cost of the operations you recommend. I hope to be able to write to you giving full details in the immediate future.

Yours sincerely,
[REDACTED]

PA OG/11/14

21st May, 1965.

Officer Commanding,
Headquarters,
Eastern Command,
Cavalry Barracks,
Hounslow,
Middlesex.

Dear Sir,

An area of the shingle bank and marshes on the peninsula now occupied by the Atomic Weapons Research Establishment at Orfordness, was for some time during the war, used as a bombing range. The East Suffolk and Norfolk River Authority are now engaged in the extraction of shingle from the shingle bank, which forms part of this area, in aid of cost defence work at Aldeburgh, under licence from the Atomic Energy Authority.

During the recent past, a number of unexploded missiles of various types have been uncovered, and we have called in your Bomb Disposal Units from R.A.F. Debden, H.M.S. Vernon, and the Royal Engineers at Mundesley, under the auspices of the Eastern Area Ammunition Inspectorate of the Royal Army Ordnance Corps at Hounslow. Because of the fear that further missiles may be uncovered, I have now received a request from the East Suffolk & Norfolk River Authority, for consideration to be given to a further survey of the area, with a view to a B.A.C. sweep.

The attached drawing shows the extent of the area, which is, of course, accessible only from this establishment. Will you please let me know, as a matter of urgency, the procedure for obtaining clearance in this somewhat extensive area, shown cross-hatched in red, and any details which you may consider necessary regarding the duration of the exercise, and the cost if any, involved.

Yours faithfully,



Encs: 1

c.c. [redacted] C.A.O., Building [redacted] A.W.R.E.
Aldermaston.

HQ Eastern Command
Cavalry Barracks
Hounslow
Middlesex

Hounslow 2371 Ext 24
Clerks Ext 25

16 May 1965.

Encl 1 to 30120 G

Ministry of Defence ASD 7
Room 246
Old War Office Building
Whitehall
London S.W.1.

UNEXPLODED MISSILES LANTERN MARSHES - SUFFOLK

1. Attached is a letter from the UK Atomic Energy Authority in which they request that a sweep be made along the coast shingle South of ALDEBOROUGH - SUFFOLK.
2. You are requested to say whether this task can be accepted by the BACU as a matter of urgency and to send a copy of your reply to the UK Atomic Energy Authority.



Copy to: UK Atomic Energy Authority
Atomic Weapons Research Establishment
Orfordness
Woodbridge
SUFFOLK.



HQ 54 (E ANGLIAN) Div/Dist
Secretary SUFFOLK T & AFA
EASTERN Command Ammunition Inspectorate

Internal: Engrs

41

CG/11/14
AGA/KFS CO/19/9

26th May, 1965.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Norwich, NOR. 81.E

For the attention of [REDACTED]

Dear Sir,

Orfordness - Extraction of Shingle

I promised to let you know what progress was being made on my request to the Bomb Disposal Authorities for a sweep or Battle Area Clearance of the shingle bank from which you are extracting shingle in aid of the Aldeburgh Sea Defences.

I have, today, received from Headquarters, Eastern Command, a copy of their submission to the Ministry of Defence for approval to undertake this work as a matter of urgency. I anticipate hearing further from the Military Authorities in the immediate future.

Meanwhile, I must point out that although we, like yourselves, are aware of the possible presence of unexploded missiles in the area of Orfordness formerly used as a range, no responsibility can be accepted by the Atomic Energy Authority for any damage to property or personnel arising out of your extraction of shingle from this area. This was made clear verbally, during the discussions before approval was given for the extraction of shingle, but in view of present circumstances, I thought it wise to confirm the Atomic Energy Authority's position in writing.

In the meantime, I shall continue to do everything possible to expedite arrangements with the appropriate Authorities for the clearance of this area.

Yours faithfully,

[REDACTED]

c.c. [REDACTED] C.A.O., Building [REDACTED] A.W.R.E., Aldermaston.

P.A.

EAST SUFFOLK AND NORFOLK RIVER AUTHORITY

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E.

27th May, 1965.

Dear [redacted] n,

I have to acknowledge receipt of your letter of

26.5.65.

reference OG/11/14.

which is receiving attention.

Yours faithfully,

[redacted signature]

POST CARD

THE ADDRESS TO BE WRITTEN ON THIS SIDE



United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

Eastern/66

10 June 1965

AWRE
Orfordness
Woodbridge
Suffolk

BD CLEARANCE OF SUSPECT AREA OF LANTERN MARSHES

Reference: A. Your OG/11/14 dated 21 May 64.

1. A full search of our records has been completed and the following points are forwarded for your information:-

- a. We have dealt with one river mine at ORFORD - on 17 June 60.
- b. We have no records of having provided any other assistance.
- c. No beach mines were laid on the ORFORD BEACH, KING'S MARSHES, LANTERN MARSHES or SUDBOURNE BEACH.
- d. The limits of minefields, exclusive of the areas noted in c. above were, to the SOUTH, OXLEY MARSHES and to the NORTH, SLAUGHDEN.
- e. We do not rule out the possibility of mines, or other explosive objects, being washed in.

2. It is our considered opinion that the possibility of beach mines in the area is less than in the beach areas North of GREAT YARMOUTH.

3. It would appear that the area to be cleared is some half mile in length varying from a few yards to a quarter of a mile in depth. We are prepared to undertake surface and immediate sub-soil clearance of the area.

4. You will be contacted by the NCO IC 1 Minefield Troop (Detachment) at MUNDESLEY in the course of the next few weeks when detailed arrangements for clearance will be undertaken.

5. It must be pointed out that our clearance can only cover the ground as it is at the time of operations. Tidal effects preclude us from issuing a once and for all clearance certificate. We do however guarantee clearance to a depth of 4' for the existing beach and seashore levels.

Copies to:

BD Unit (UK) RE

Ministry of Defence ASD7 - We spoke re the temporary retention of the file A/119/SUFFOLK/87.

- 1 (M) Tp - Please act in accordance with para 4.
The MOD File is forwarded for your information, you are to extract the necessary detail, and obtain a further copy of the map, for your records, from AWRE. Thereafter return the MOD File to this HQ.
You will liaise direct with NCO IC 2 (BAC) Section at FELIXSTOWE for the use of ten civilians for this job. Clearance will be by 4C detector and Forster locator.

This task will take priority over work at STANFORD PTA.

- 3 (BAC) Tp - Provision of labour will be as laid down in the notes to

/see over.

1 (M) Tp. It is suggested that the Cpl of 2 (BAC) Section should be in attendance during the work.

HPQ/WD

E34

P.A.

AUTHORITY
~~BOARD~~

EAST SUFFOLK AND NORFOLK RIVER

○

[Redacted]

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E
17th June, 1965

Our Ref. 1/A CP/9
Your Ref. OG/11/14

Dear Sir(s) ~~Madam~~

I have to acknowledge with thanks receipt of your letter of
16th June, 1965 re Extraction of Shingle,
which is receiving attention. Orfordness
~~will be submitted to the Board~~

Yours faithfully,

[Redacted Signature]

[Redacted Title]

Authority

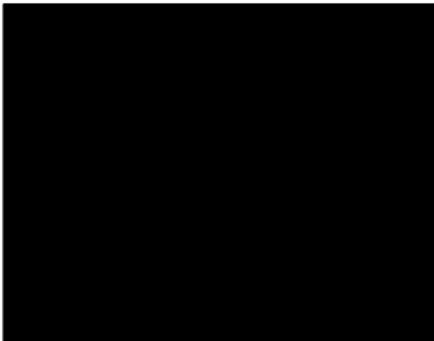
PRINTED



,
United Kingdom Atomic Energy Authority,
ORFORDNESS,
Woodbridge,
Suffolk.

06/11/65
AUTHORITY
E36

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/ASD 6/47.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NORFOLK
Telephone 63267-8

YOUR REF
Area Office,
111, High Street,
ALDEBURGH,
Suffolk.

Phone, Alde. 305.



A.W.R.E.
Orfordness,
Orford,
WOODBRIDGE.

22nd June, 1965.

Dear

Aldeburgh Beach Nourishment Scheme.

I set out below weekly totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	9/5/65.	3,472 Cu.Yds.
W/E.	16/5/65.	3,412 Cu.Yds.
W/E.	23/5/65.	3,591 Cu. Yds.
W/E.	30/5/65.	3,628 Cu.Yds.
W/E.	6/6/65.	2,622 Cu. Yds.

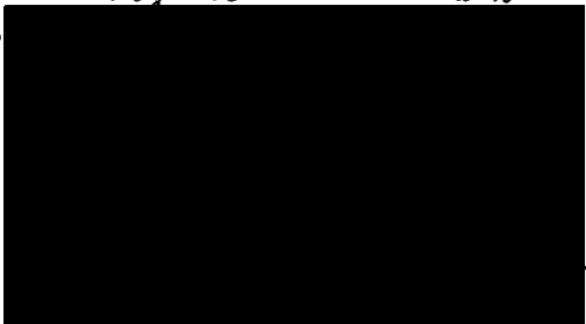
The total amount for period 3rd May to 6th June, 1965 (inclusive) being 24,731 Cu. Yds.

I shall be glad to receive your invoice for Royalty charges in due course.

Original sent to Cash Accounts 28/6/65

*Agreement 1.
Quantities Agreed - 1236-11.*

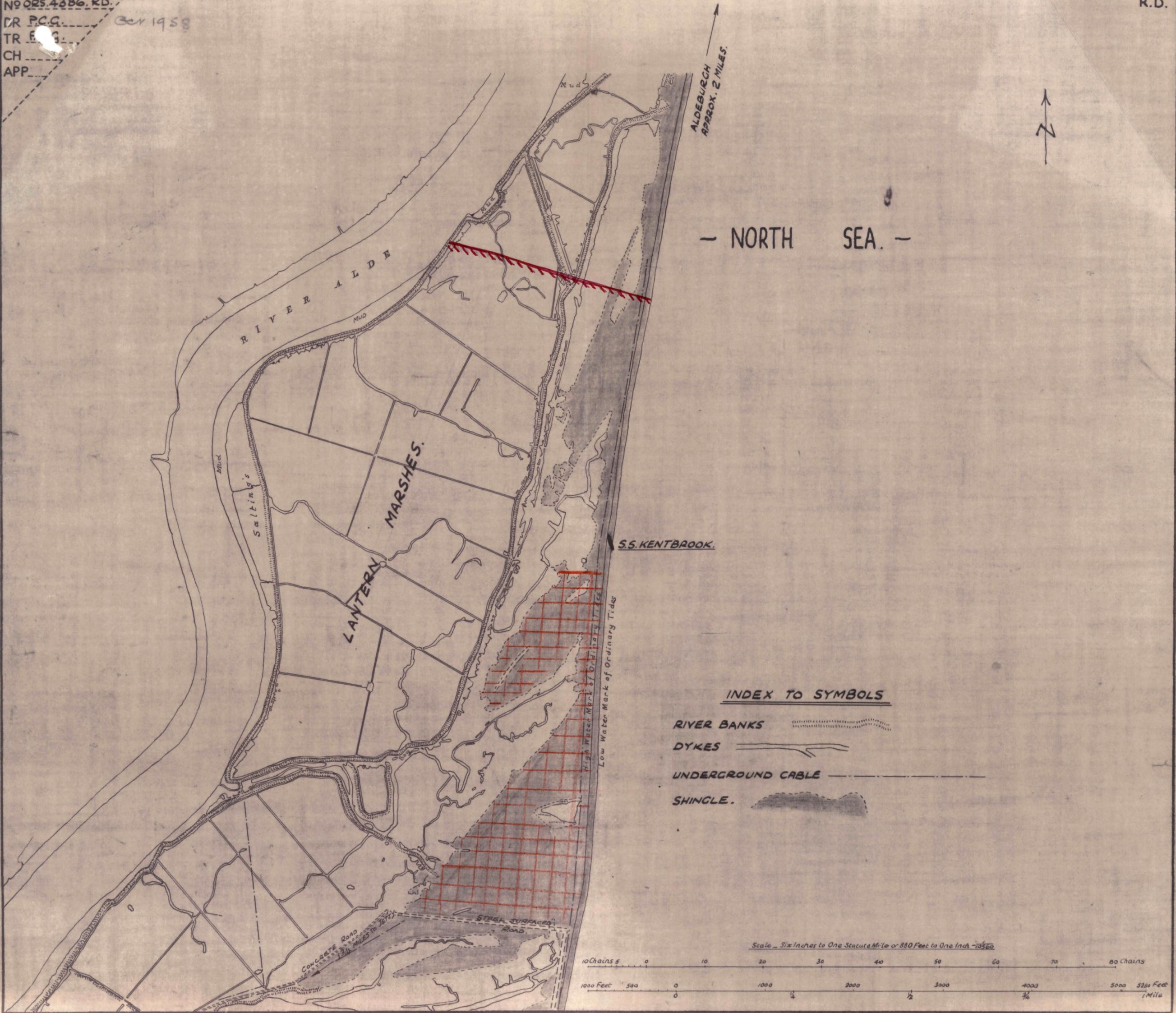
Your



**WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE**

SIGNED: 28/6/65

M/G 28/6/65



ALDEBURCH APPROX. 2 MILES.

- NORTH SEA. -

S.S. KENTBROOK.

LANTERN MARSHES.

RIVER ALDE

Saltin's

Mud

MUD

Low Water Mark of Ordinary Tides

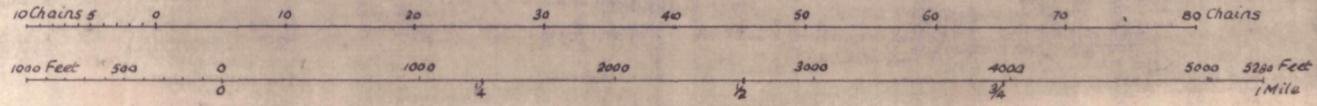
CONCRETE ROAD
3 1/2 MILES TO 7 1/2

STEEL SURFACED ROAD

INDEX TO SYMBOLS

- RIVER BANKS
- DYKES
- UNDERGROUND CABLE
- SHINGLE.

Scale - Six Inches to One Statute Mile or 880 Feet to One Inch - 1856



P. D.
Shingle No. E38

RAE of Jordaness Land Range

as set out in N.G.S. standing
orders the range covers about 98 acres
and extends southwards from the
line marked in red on the attached
plan and beyond the border of the drawing.

11-5-65

P.A

ATOMIC ENERGY AUTHORITY CONSTABULARY.

A.W.R.E. ORFORDNESS.

Ref No. ORF/OB/96/65.

UNEEXPLODED MISSILES UNEARTHED AT ORFORDNESS.

Sir,

[redacted], A.E.A.C., reports that at 8.45.am. on Monday 28th June 1965, at A.W.R.E. Orfordness, whilst making a check on the signboard at the north boundary of the Establishment, it was reported to him by [redacted] of the East Suffolk & Norfolk Rivers Board, that a missile had been unearthed by the mechanical diggers working in the shingle.

[redacted] went to the digging site and saw a large missile, 4 feet six inches in length, and about 3 feet in circumference, which had been lifted out of the shingle in the scoop of the mechanical digger.

[redacted], who was in charge of the work, was instructed by the [redacted] to move the digger away from the missile, and that no further work should proceed in the immediate vicinity. A red and white marked pole was placed in position in which the missile was left.

[redacted] was informed of this incident at 9.50.am. and he agreed that the Bomb Disposal Authorities should be alerted forthwith. This was done at 9.55.am.

The local police officer, [redacted], East Suffolk County Police, was informed of the location of the missile and the actions already taken by A.E.A.C. this information was passed to him at 10.am on 28th June 1965.

As a result of the report made to the B/D Authorities, a unit under [redacted] R.A.F., arrived at Orfordness at 3.p.m. on 28th June, and was accompanied into the marsh area by [redacted], where an examination was to be made.

On arrival at the digging site it was reported to the [redacted] that another missile had been unearthed by the same mechanical digger, but in the new position to which it had been moved as a result of the warning given by [redacted] earlier in the day.

Both missiles were examined by [redacted] who declared both the missiles to be dangerous. The larger missile being a 500 lb G.P. bomb, and the smaller being a 112 lb R.L. bomb.

[redacted] said that he would like it to be put on record that in his opinion, the continued use of heavy mechanical grabs in the present digging area could prove to be dangerous to the men employed in the movement of the shingle.

The destruction of the two missiles will take place at a later date.

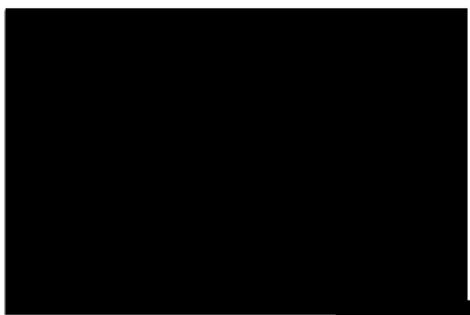
[redacted]

The above police report No. OFN/96/65 dated 28th June 1965

is issued by direction of the Chief Constable, Atomic Energy Authority

[redacted]

EAST SUFFOLK & NORFOLK RIVER ~~BOARD~~ AUTHORITY



OUR REF R/ASD 6/49.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NORFOLK
Telephone 53257-8

YOUR REF
Area Office.
111, High Street,
ALDEBURGH,
Suffolk.

Phone. Alde. 305.



A.W.R.E.
Orfordness,
Orford,
WOODBRIDGE.

29th June, 1965.

Dear  ,

Aldeburgh Beach Nourishment Scheme.

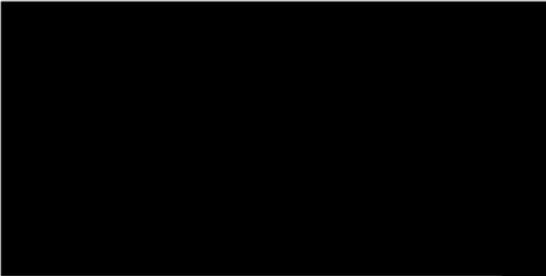
With reference to my telephone conversation with you yesterday morning I confirm that we are going to purchase 2 No. 10 amp Cambridge transportable radio telephones for use on the above scheme. The main purpose of these is to facilitate communication between the borrow pit area and the tipping area and to help speed things up when derailments occur.

The application has been made to the G.P.O. for licence and I am given to understand that the operation frequency must be 86.325 MC/S - effective radiated power 5 watts.

I should be glad to know that the use of these will not in any way interfere with your installations.

Yours sincerely,





Spoke to 

They are all satisfied
that the operation of this
equipment will in no way
interfere with any of our
existing installations.



30-6-68

41

P.A. OG/11/14

2nd July, 1965.

[Redacted]

East Suffolk & Norfolk River Authority,
111 High Street,
Aldeburgh,
Suffolk.

Dear [Redacted],

Thank you for your letter of 29th June, 1965, notifying us of your intention to purchase portable radio telephones for use at Orfordness in connection with the extraction of shingle by your authority for the Aldeburgh sea defence.

I have pleasure in informing you that our Technical Officers consider your proposals entirely compatible with our interests, and that no interference is thought to be likely. I thank you for your courtesy of informing us of your intentions.

Yours sincerely,

[Redacted Signature]

Copy to OG/25/09

0
ATOM ORFORDNESS V ATOM ALDERMASTON SRL 22/2 021117Z
URGENT

FM [REDACTED] AWRE ALDERMASTON
TO [REDACTED] AWRE ORFORDNESS
TLX 1493.

369

AG/940/01.

REFERENCE POLICE REPORT OFN96/65.

I THINK WE ARE OBLIGED TO TELL THE RIVERS BOARD OF [REDACTED] [REDACTED]
[REDACTED] VIEWS. I THINK YOU SHOULD GIVE URGENT CONSIDERATION TO
THE DESIRABILITY OF PUTTING THE RIVERS BOARD IN DIRECT TOUCH WITH
THE BOMB DISPOSAL PEOPLE. IT MAY WELL BE THAT BOMB DISPOSAL CAN
SUGGEST SAFER WAYS OF EXTRACTING THE SHINGLE. POSSIBLE LOCAL
SWEEPING OF DESIGNATED AREAS MIGHT HELP TO MINIMISE THE RISK
TOD1125Z

ATOM ORFORDNESS
CORRECTION LAST WORD TO READ RISK

OG/11/14

2nd July, 1965.

East Suffolk and Norfolk River Authority,
The Cedars,
Albermarle Road,
Norwich, Nor.81E.

For the attention of [REDACTED] [REDACTED]
[REDACTED]

Dear Sir,

As you are aware one of your mechanical diggers uncovered a further bomb on Monday, 23rd June, 1965, during shingle extraction at Orfordness. This turned out to be a 500 lb. G.P. bomb, which has today been detonated by the R.A.F. Bomb Disposal team. The Officer in charge of this unit, [REDACTED], has said that he would like it to be put on record that in his opinion the continued use of heavy mechanical grabs in the present digging area could prove to be dangerous to the men employed in the extraction of shingle. I thought you should be aware of this opinion in view of our previous correspondence on this subject and the Atomic Energy Authority's request for indemnity in respect of these operations about which I wrote to you earlier today.

In the circumstances you may wish to reconsider the methods employed for the extraction of the shingle. Alternatively perhaps you would care to speak to [REDACTED] direct. He can be contacted at R.A.F. Debden, Telephone No. [REDACTED] 3164 Ext. 230.

One of the difficulties in the projected clearance of this area is the multiplicity of types of missiles present. As you know each Service has very well defined terms of reference about the types with which it may deal ~~with~~ individually.

Yours faithfully,
[REDACTED]

c.c. [REDACTED], [REDACTED], C.A.O., Building [REDACTED], Aldermaston.

E 48

~~DAILY MAIL 10/7/65~~

Those in peril

Forty men working on a sea-defence scheme at Aldeburgh, Suffolk, were insured against injury from missiles by East Suffolk river authority yesterday after two live shells were unearthed on the site.



CROWN ESTATE COMMISSIONERS
CROWN ESTATE OFFICE, WHITEHALL, LONDON S.W.1

Telephone: TRAFalgar 2211 Ext. 7085
Please address any reply to The Secretary

Our reference: **Foreshores 26506**
Your reference: **Office Code 7065**

RECEIVED
9 10 64
193
- 9 OCT 1964
PASS 10 AGA

7th October, 1964

Dear Sir,

Aerial Photographs, East Coast.

The Aerial Photographs showing the East Coast from Orfordness to Landguard Point have now been printed by Hunting Surveys Ltd., and are forwarded herewith.

Prints Nos. 086 and 088 were not included in the Crown Estate Commissioners original order of prints for their own use, as it was considered that the areas in question were shown sufficiently on 078 and 096, and they have, therefore, been omitted from the order placed on your behalf.

Hunting Surveys Ltd., have increased their charges from 3s. 0d. to 3s. 6d. per print, and the charge for the 79 prints is therefore £13 16s. 6d. A cheque for this amount should be made payable, please, to the Crown Estate Commissioners, crossed "Bank of England", and forwarded to the [redacted] at the above address.

Yours faithfully,

[Redacted signature block]

CODE 7066/11

[Redacted name line]

East Suffolk and Norfolk River Board,
"The Cedars",
Albamarle Road,
Norwich,
Norfolk,

NOR 81 E.

POSTED
Cost Ledger

654

P.A.

41

OG/11/14

19th July, 1965.

[Redacted]

Building [Redacted],
A.W.R.E.,
Aldermaston.

Dear

East Suffolk and Norfolk River Authority
Extraction of Shingle at Orfordness

I have received the attached letter from the East Suffolk and Norfolk River Authority, together with the enclosed photographs. They are, I think, self-explanatory.

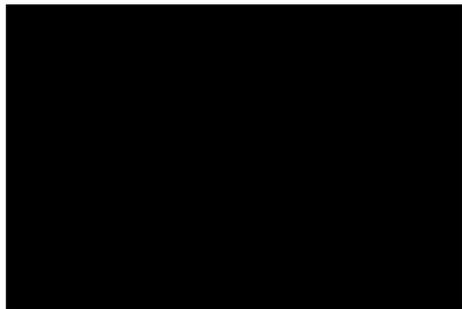
[Redacted] has asked me to request that before the negatives of this series of photographs are destroyed a complete set could be obtained for official use at Orfordness. In the circumstances may I please have your formal approval for this purchase, and your guidance as to the method of effecting the same.

Yours sincerely,

[Redacted Signature]

c.c. [Redacted] C.A.O., ✓
Building [Redacted], A.W.R.E., Aldermaston.

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/ASD 6/58.

YOUR REF
Area Office.
111, High Street,
ALDEBURGH,
Suffolk.

THE CEDARS,
ALDEMARLE ROAD
NORWICH, NORFOLK
Telephone 57257-8

Phone. Alde. 2305.

[Redacted]
A.W.H.E.
Orfordness,
Orford,
WOODBRIDGE,

3rd. August, 1965.

Dear [Redacted]

Aldeburgh Beach Nourishment Scheme.

I set out below weekly totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	13/6/65.	4,954 Cu. Yds.
W/E.	20/6/65.	7,432 Cu. Yds.
W/E.	27/6/65.	7,936 Cu. Yds.
W/E.	4/7/65.	3,588 Cu. Yds.
W/E.	11/7/65.	7,598 Cu. Yds.
W/E.	18/7/65.	6,576 Cu. Yds.
W/E.	25/7/65.	7,678 Cu. Yds.
W/E.	1/8/65.	5,478 Cu. Yds.

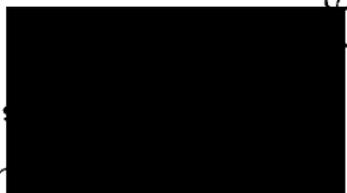
The total amount for period 7th June to 1st August, 1965 (inclusive) being 51,240 Cu. Yds.

Agreement II shall be glad to receive your invoice for Royalty charges in due course.
WORK CARRIED OUT SATISFACTORILY, *Quarries Agreed*

PRICES REASONABLE *2562*

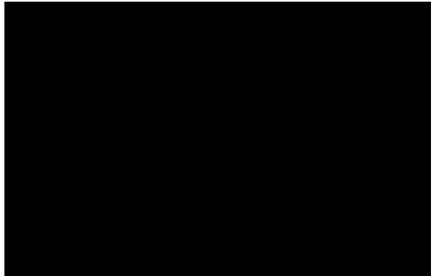
Yours sincerely,

SIGNED: [Redacted]



*Original 6
sent A/CB
5/8/65.*

EAST SUFFOLK & NORFOLK RIVER AUTHORITY



OUR REF 1/A CP/24(3)
YOUR REF OG/LL/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR BI. E
Telephone 53257-8

13th August, 1965.

Dear

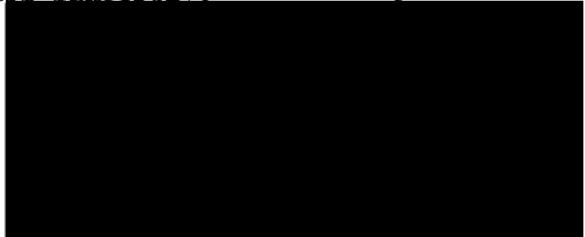


Extraction of Shingle : Orfordness

I understand that members of our Engineer's staff have had further discussions with you and I now enclose a plan showing the new borrow pit area and the line of the light railway track.

Will you please confirm that this is what has been agreed and that your Authority have no objection thereto.

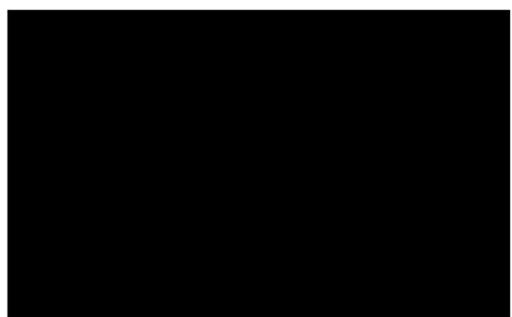
Yours sincerely,



United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
ORFORDNESS,
Woodbridge,
Suffolk.

171

of the authority.



EAST SUFFOLK & NORFOLK RIVER AUTHORITY



OUR REF. AGA/JC/A/11

YOUR REF.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 61. E.
Telephone 53257-8.

 ,
United Kingdom Atomic Energy Authority,
Orfordness Island,
WOODBIDGE.

16th July, 1965.

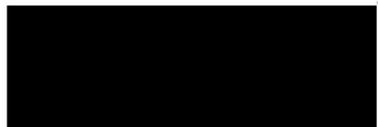
Dear Sir,

Further to the telephone conversation this afternoon between yourself and , I now enclose 4 prints numbered 0360/1/2/3 as promised.

When you were at this office the other morning you will recollect that we were expecting Hunting Surveys to provide us with prints from the previous flight, covering exposures 0 - 33, but have in fact received a series of photographs running south from Aldeburgh which were flown on the 3rd July, 1965 and of which the southernmost 4 are those enclosed.

You will understand that our request to Hunting Surveys was not made until the 8th July so there is absolutely no question of our having asked them to refly this area.

Yours faithfully,



Encls.

41

1/A CP/24(3)

OG/11/14

2nd September, 1965.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Norwich, NOR. 81.E.

For the attention of [redacted]
[redacted]

Dear [redacted]

Extraction of Shingle, Orfordness

I refer to your letter of 13th August, 1965, and the plan attached thereto, which shows the proposed extension to the railway line, and the new borrow pit area. I am now able to confirm that there are no objections to these proposals, but in so doing, I would wish to point out that this further agreement is subject, as before, to the terms of my letter of 11th March, 1964.

~~Yours sincerely,~~

[redacted signature block]

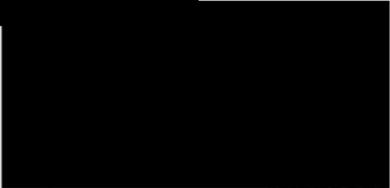
EAST SUFFOLK & NORFOLK RIVER AUTHORITY

OUR REF 1/A CP/24(3)

YOUR REF OG/11/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR BI E.
Telephone 53257-8

6th September, 1965.

Dear 

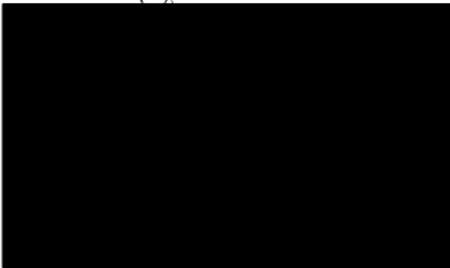
Extraction of Shingle, Orfordness

Thank you for your letter of the 2nd September, for which I am much obliged, and note that the further agreement is subject to the terms of your letter of the 11th March, 1964.

Your 


United Kingdom Atomic Energy Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.

EAST SUFFOLK & NORFOLK RIVER AUTHORITY



OUR REF 1/A CP/24(3)

YOUR REF

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E
Telephone 53257-8

See 27/9

15th September, 1965.

Dear

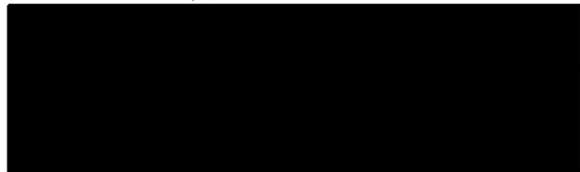


The subject of the Aldeburgh Sea Defences came up at our meetings of the River Authority last Friday when the royalty of 1s.0d. per cubic yard which your Authority is charging was questioned in view of the fact that it has been necessary to transfer for some considerable distance the site for the acquisition of the shingle. This movement has arisen solely because of the presence of unexploded missiles on the original borrow pit site, something which was not disclosed to us when we originally negotiated with you and on these grounds alone it was felt that there were very good reasons for the Authority to make some reduction in the royalty.

It is also a fact that your site does receive some benefit from the work which is being carried out at Aldeburgh since if the sea did break through at Aldeburgh the whole tidal range in the River Alde would be altered to the detriment of the island.

Perhaps therefore, in the light of the above you could reconsider the charge of 1s.0d. per cubic yard and agree to make some reduction to the River Authority.

Yours sincerely,




The United Kingdom Atomic Energy
Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

41

OG/11/14

27th September, 1965.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Worwich, NOR.8L.E.

For the attention of [REDACTED]

Dear [REDACTED]

Thank you for your letter of 15th September, 1965, concerning the royalty for shingle extracted from Orfordness. I have seen this letter only this morning on my return from leave, and will now give the matter urgent consideration.

I shall be writing to you again in the near future.

Yours sincerely,
[REDACTED]

EAST OF FOLK & NORFOLK RIVER

OUR REF R/ASD 6/66.

THE CEDAR
ALDEBURGH
NORWICH, NORFOLK
Telephone 2103

YOUR REF
Area Office.
111, High Street,
ALDEBURGH,
Suffolk.

Phone, Alde. 2103

J.W.R.B.
Orfordness,
Orford,
WOODBRIDGE.

6th October, 1965

DEAR

Aldeburgh Beach Nourishment Scheme.

I set out below weekly totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	8/8/65.	6,642	Cu. Yds.
W/E.	15/8/65.	6,034	Cu. Yds.
W/E.	19/9/65.	1,872	Cu. Yds.
W/E.	26/9/65.	3,797 $\frac{3}{4}$	Cu. Yds.
W/E.	3/10/65.	3,529 $\frac{1}{2}$	Cu. Yds.

The total amount for period 2nd August to 3rd October, 1965 (inclusive) being 21,875 $\frac{1}{4}$ Cu. Yds.

I shall be glad to receive your invoice for Royalty charges in due course.

Yours sincerely

WORK CARRIED OUT SATISFACTORILY
PRICE REASONABLE
Quantities Agreed
Price £1092.15.

SIGNED

[Redacted Signature]

7/10/65

Original to Land Agcs.
7/10/65

[Redacted Signature]

P. A. E 61

EAST SUFFOLK & NORFOLK RIVER AUTHORITY

OUR REF 1/A CP/24(3)

YOUR REF

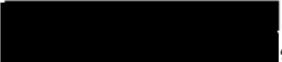
THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81. E
Telephone 53257-8

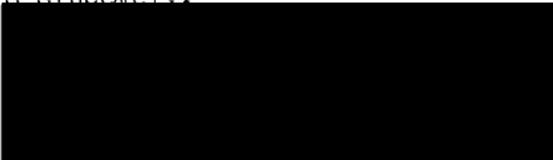
20th October, 1965.

Dear 

I am wondering if you have yet had time to consider the Authority's request for a reduction in the royalty on the shingle please.

Yours sincerely,

,
United Kingdom Atomic
Energy Authority,
Atomic Weapons Research
Establishment,
ORFORDNESS,
Woodbridge, Suffolk.



OG/11/14
1/A CP/24(3)

21st October, 1965.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Norwich, NOR. 81.E.

For the attention of [REDACTED]

Dear [REDACTED]

I refer to your letter of 15th September, 1965, asking for a reduction in the royalties for shingle extracted from A.W.R.E. land at Orfordness in aid of the Aldeburgh sea defences.

Your enquiry has now been fully considered by the Atomic Energy Authority, and I regret to inform you that we cannot agree to a reduction in the royalty.

It is considered that the current rate of 1/- per cubic yard is a purely nominal charge and bears no relation to the commercial price of such shingle. In addition, I should point out that although the number of unexploded missiles on the original burrow pit site was not disclosed, as it was not known to us, your engineers are well aware, and always have been, that the area of Orfordness was used as a bombing range by the previous owners of the land. The area from which you are now extracting shingle is much nearer our own activities, and is the area in which any future development of Orfordness by the Atomic Energy Authority must necessarily take place. I should tell you that it was only with some reluctance, and in order to honour our agreements, that approval was finally given for the transfer of the extraction to this new area.

Additionally, your activities on the site involve us to a considerable extent, and such services as the unrestricted use of our ferry are carried out free of charge.

I hope that you will, on re-consideration, accept that this nominal charge is reasonable, and assure you of our wish for the utmost co-operation with the River Authority.

[REDACTED]

41

OG/11/14

22nd October, 1965.

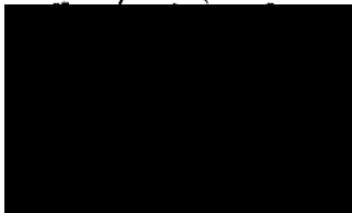

Building
A.W.P.E.,
Aldermaston.

Dear

East Suffolk and Norfolk River Authority
Aerial Survey

I wrote to you on the 19th July, 1965, enclosing photographs forming part of an aerial survey by Hunting Air Services Ltd., taken in the Orfordness area. In this letter, I asked you to obtain a set of these photographs for official use at Orfordness.

As I have not yet received the photographs, I wondered if you would kindly progress this demand on my behalf.



PA .
E64

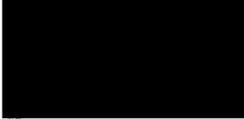
EAST SUFFOLK & NORFOLK RIVER AUTHORITY

OUR REF 1/A CP/24(3)

YOUR REF OG/11/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR BI. E.
Telephone 53257-8

22nd October, 1965.

Dear 

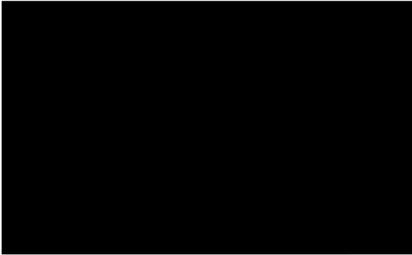
Thank you for your letter of the 21st October. In view of the very adequate explanation you have given I feel quite sure that the River Authority will be satisfied with the position.

Yours sincerely,



United Kingdom Atomic Energy
Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.

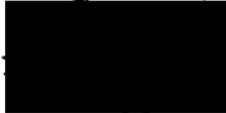
EAST SUFFOLK & NORFOLK RIVER AUTHORITY



OUR REF 1/A CP/24(3)
P.N.
YOUR REF OG/11/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E.
Telephone 53257-8

23rd November, 1965.

Dear 

Further to your letter of the 21st October, I am pleased to be able to say that the River Authority will not pursue further the question of obtaining a reduction in the royalty payment.

We are, of course, very grateful for the assistance of your Authority.

Yours sincerely,

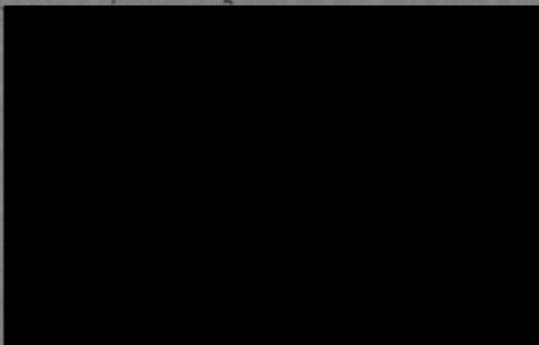


United Kingdom Atomic Energy
Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge, Suffolk.



111,
ALSO
61

I shall be glad to receive a separate invoice for the amount 1,003 cu. yds. together with an invoice for the quantities above totalling 27,514 cu. yds.



Agreement 1
Price £1275.14. -
Quarries Agreed.

WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED [Redacted] DATE: 29/11/65

Agreement 2.
Price £50.8. -
Quarries Agreed.

WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED [Redacted] DATE: 29/11/65

Original to Capt. Beckett
29/11/65 [Redacted]

OG/11/14

[REDACTED],
H.E.O. Cash Accounts,
Building [REDACTED],
A.W.R.E.,
Aldermaston.

East Suffolk and Norfolk River Authority
Extraction of Shingle

I attach the latest invoice received from the [REDACTED]
[REDACTED] of the East Suffolk and Norfolk River Authority, in
respect of shingle extracted from Orfordness in aid of the
Aldeburgh Sea Defences.

As requested, will you please ensure that two separate
invoices are rendered to the River Authority for the
Agreements 1 and 2.



A.W.R.E.,
Orfordness.
PWB/MSB
29th November, 1965.

Clarke Demolition & Construction Co Ltd.

AGC/SB

For the attention of [REDACTED]
[REDACTED]
East Suffolk and Norfolk River Authority,
Aldeburgh, S
Suffolk.

[REDACTED]
22nd December 1965

De [REDACTED]

Further to our meeting on Site at Orfordness Island today I confirm the following rates as indicated verbally to you.

1. To break up Concrete Blocks by controlled blasting, using limited charge to obtain fragmentation suitable to reducing to sizes of 12" to 6" cube, with the aid of compressed air - there being approximately 1 cube yard of broken concrete in each block, for the sum of 7/6d, per block.
2. To break up as above, but to include carting of such suitable broken concrete as you may direct, to the position by the Sea Wall as indicated by you, to include also for the removal from the site of all such unsuitable material such as small fragments and fines, to a dump on the Island, leaving the site clean and tidy.
All for the Sum of 17/6d, Per Yard Cube.

These rates are submitted on the proviso that the Blocks would be bulldozed into convenient positions for blasting and loading not more than two blocks high, and that our lorries delivering the material to your site would not suffer any unreasonable delay at the check points at the security fence.

It is understood that the Island Authority may express some concern at the thought of Explosive being used. We stress that we have in the past carried out quite substantial Blasting on the Island and would be pleased to lay on a demonstration of the Blasting of say half a dozen blocks with no obligation to your goodselves.

Yours faithfully,
Clarke Demolition & Construction Co. Ltd.,

[REDACTED]

41

OG/11/14
L/A CP/24(3)

3rd January, 1966.

East Suffolk & Norfolk River Authority,
The Cedars,
Albemarle Road,
Norwich, NOR.81 E.

For the attention of [REDACTED]

Dear [REDACTED],

I am writing to you at the request of your [REDACTED] concerning a scheme under which your Authority may obtain broken concrete from sites at A.W.R.E., Orfordness.

Under this proposed arrangement, which is I understand to be considered by the River Authority in the immediate future, concrete in the form of cubes of approximately one cubic yard, will be broken up by Messrs. Clarke Demolition and Construction Co. Ltd., acting as agents of the River Authority, into suitable sized fragments for transport by road to the light railway from whence they will be carried to Slaughterden. There are approximately 2,200 of these cubes, which were laid during the 1939/45 War, to prevent aircraft or gliders landing on the old aerodrome which comprises part of Orfordness island.

The River Authority may, as I have already told [REDACTED], have any or all of these blocks entirely without charge from the Atomic Energy Authority, with the following provisos:-

1. That the sites from which the blocks are broken up shall be left clean and tidy.
2. That the River Authority will indemnify the Atomic Energy Authority against any claim which may be made against the Atomic Energy Authority in respect of any injuries to any person (including injury resulting in death), or any loss of, or damage to property, resulting from the explosion of any explosive within the area from which the River Authority are authorised to break up and transport concrete, being injuries, loss, or damage arising in the course of the operations to obtain the said concrete, or in the course of any work connected therewith.

I assume that in the event of the River Authority approving these proposals, there should be no difficulty in meeting these two conditions, and I assure you again of our wish to co-operate fully with you in this matter.

Yours sincerely,

[REDACTED]

c.c. [REDACTED] Area Office, 111 High Street,
Aldeburgh, Suffolk.

P.A.

AUTHORITY
~~BOARD~~

EAST SUFFOLK AND NORFOLK RIVER

THE CEDARS,

ALBEMARLE ROAD,

NORWICH, NOR 81 E

.....5th January,.....1966.

Our Ref. 1/A CP/24(3)
Your Ref. OG/11/14

Dear ~~Sir(s) / Madam,~~

I have to acknowledge with thanks receipt of your letter of
3rd January, 1965 re broken concrete from sites at
which is receiving attention. A.W.R.E., Orfordness

~~will be submitted to the Board.~~

Yours faithfully,

[Redacted signature block]

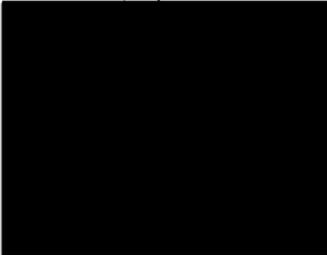
PRINTED



[REDACTED],
The United Kingdom Atomic Energy
Authority,
Atomic Weapons Research Establishment,
Orfordness,
Woodbridge,
Suffolk.

P.A.

EAST SUFFOLK & NORFOLK RIVER AUTHORITY



OUR REF 1/A CP/24(3)

YOUR REF OG/11/14

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81.E.
Telephone 53257-8



Dear

21st January, 1966.

Aldeburgh Sea Defences

I have delayed replying to your letter of the 3rd January until I obtained the approval of the Authority to the proposals for obtaining broken concrete from Clarke Demolition and Construction Company Limited by the means suggested.

The Authority are, of course, grateful to you for making this concrete available and I have pleasure in giving you the indemnity required as follows:-

1. That the sites from which the blocks are broken up shall be left clean and tidy.
2. That the River Authority will indemnify the Atomic Energy Authority against any claim which may be made against the Atomic Energy Authority in respect of any injuries to any person (including injury resulting in death), or any loss of, or damage to property, resulting from the explosion of any explosive within the area from which the River Authority are authorised to break up and transport concrete, being injuries, loss, or damage arising in the course of the operations to obtain the said concrete, or in the course of any work connected therewith.

Thank you for your assistance.

Yours sincerely,



The United Kingdom Atomic Energy
Authority,
Atomic Weapons Research Establishment,
ORFORDNESS,
Woodbridge,
Suffolk.

P.A. Eubankson of Shingle.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY

TELEPHONE ORFORD 345
EXT 53

ATOMIC WEAPONS RESEARCH ESTABLISHMENT,
ORFORDNESS,
WOODBRIDGE,
SUFFOLK.



OUR REFERENCE ORE/42
YOUR REFERENCE.

28th January, 1966.



Bicester. OXON.

Sir,

Reference telephone conversation of Wednesday 26th January 1966 -



Herewith two copies of drawing No ORS 5703 D. One copy of which contains the details requested, and the second copy has been left blank for your office use.

The areas shaded in red and numbered 1 - 4, are those areas of shingle in which missiles have been unearthed. Area No. 4 being the last and only area in which work is continuing at present.

For your information, the following details give the dates on which R.A.F. personnel have dealt with incidents at Orfordness:-

- 20th October 1964. 1 X 8 lb practice bomb.....dealt with by R.A.F. Debden.
1 X 25 lb pyrotechnic bomb..... - do -
- 23rd October 1964. 1 X 20 lb Cooper bomb..... - do -
- 30th April 1965. 6 missiles of various types..... - do -
- 31st May 1965. 1 X 250 lb G.P. bomb.....Inspected by R.A.F. Debden
1 X 250 lb S.A.P. bomb. Detonated by Joint Services
Portsmouth.
- 28th June 1965. 1 X 500 lb C.P. bomb.....Dealt with by R.A.F. Debden.
1 X 112 lb R.L. bomb.
- 14th July 1965. 2 X 250 G.P. bombs..... - do -
1 X 20 lb Cooper bomb
- 4th November 1965. 1 X 250 G.P. bomb..... Dealt with by R.A.F. Bicester.
1 X 120 practice bomb.
- 19th November 1965. 2 X 112 lb R.L. bombs..... - do -
- 11th January 1966. 2 X 120 lb practice bombs..... - do -

Copy to:- A.W.R.E. Orfordness. ✓

For

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/ASD 6/77.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR 81 E.
Telephone 53257-8

YOUR REF
Area Office,
111, High Street,
ALDEBURGH,
Suffolk.

Phone, Alde, 2305.



M. W. A. S.
Orfordness,
Suffolk
Wood House.

8th February, 1966.



Aldeburgh Beach Nourishment Scheme.

I set out below weekly totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	12/12/65.	2,262	Cu. Yds.
W/E.	19/12/65.	2,045	Cu. Yds.
W/E.	26/12/65.	3,163½	Cu. Yds.
W/E.	2/ 1/66.	1,646	Cu. Yds.
W/E.	9/ 1/66.	2,065	Cu. Yds.
W/E.	16/ 1/66.	2,722½	Cu. Yds.
W/E.	23/ 1/66.	3,024½	Cu. Yds.
W/E.	30/ 1/66.	2,941½	Cu. Yds.

The total amount for period 5th December, 1965 to 30th January, 1966 (inclusive) being 20,672 Cu. Yds.

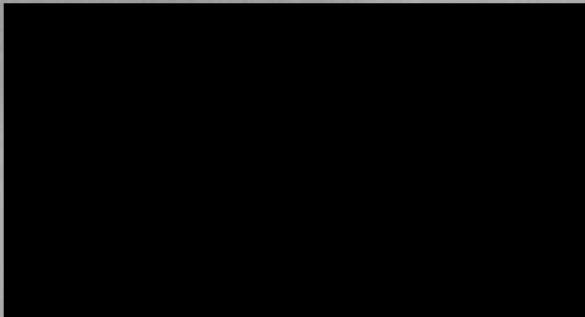
No transportation of shingle was carried out between 22nd December and 5th December, 1965 due to repair of storm damage.

contd.

2.

I shall be glad to receive your invoice for Royalty charges
in due course.

Yours sincerely,



Agreement I
Price £1033-12. — Quantities agreed.

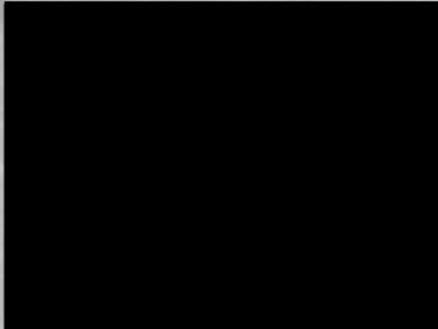
WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE.

SIGNED



15/2/66.

AUTHORITY
EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF. R/ASD 6/81.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NOR. SI. E.
Telephone 58257-8

YOUR REF
Area Office,
111, High Street,
ALDEBURGH,
Suffolk.

Phone, Alde, 2305.



A.W.R.S.,
Orfordness,
Orford,
WOODBRIDGE.

5th April, 1966.

Dear Sir,

Aldeburgh Beach Nourishment Scheme.

I set out below totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	6/2/66	3,182 1/2	Cu. Yds.
W/E.	13/2/66	570	Cu. Yds.
W/E.	20/2/66	3,302 1/2	Cu. Yds.
W/E.	27/2/66	2,447	Cu. Yds.
W/E.	6/3/66	3,572 1/2	Cu. Yds.
W/E.	13/3/66	2,404	Cu. Yds.
W/E.	20/3/66	3,228	Cu. Yds.
W/E.	27/3/66	3,962	Cu. Yds.
TO	31/3/66	3,267	Cu. Yds.

The total amount for period 31/1/66 to 31/3/66 inclusive being 27,935 1/2 Cubic Yards and I shall be pleased to receive your invoice for Royalty Charges at your earliest convenience.

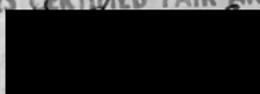
WORK CARRIED OUT SATISFACTORILY.
PRICES CERTIFIED FAIR AND REASONABLE

Agreement I.
Quantities agreed
Yours Sincerely

Approved by
6/4/66

6/4/66
£1296.15.6

SIGNED



copy

No 6204 (BD) Flight
RAF Bicester
Bicester 2501 Ext 56
6th April 1966

6204F/1/5/13/Air

Senior RAF Representative
[REDACTED]
AWRE,
Aldermaston
Reading

ORFORDNESS - BOMB DISPOSAL RECONNAISSANCE

Reference A: MC/22260/8/Arm dated 11th March 1966

1. This Flight has been tasked by Headquarters Maintenance Command to carry out a reconnaissance of the Old Bombing Range at Orfordness, with a view to assessing the possibility of a Bomb Disposal search and clearance of that area.
2. There has been ten (10) Minor Incidents during the period OCT 1966 to MARCH 1966, when a considerable number of live bombs have been uncovered during shingle excavations.
3. It is respectfully requested that permission may be granted to carry out the reconnaissance as requested by Headquarters Maintenance Command.
4. If permission is granted the reconnaissance could be carried out at a time suitable to the Atomic Weapons Research Establishment.
5. It is estimated that the reconnaissance would take approximately three (3) days.
6. Accommodation would be arranged by the Officer Commanding No. 6204 (BD) Flight with the nearest Royal Air Force Station.

[REDACTED]
Officer Commanding

[REDACTED]
AWRE Orfordness
Woodbridge
Suffolk.

PA.

RAF/AWRE
Aldermaston
Berks

Reading 55811 Ext 6308

15th April 1966

RAF/AWRE/C2101

Officer Commanding,
RAF Bicester,
Oxfordshire.

(Attn: [redacted], No. 6204 (ID) Flight

Reference: A. MC/22260/B/ARM dated 11th March 1966
B. 6204P/1/5/13/AIR dated 6th April 1966

1. With reference to your request (Reference B refers) for permission to carry out a reconnaissance of the Old Bombing Range at Orfordness, it is believed that this follows from a request by AWRE Orfordness, submitted to MOD.

2. It is suggested that all necessary administrative arrangements should be made by you direct with:-

AWRE Orfordness
Woodbridge, Suffolk

3. In addition to this letter a copy of Reference B is being forwarded to [redacted].

c.c. [redacted], AWRE Orfordness.

RAF/AWRE

No 6204 BD Flight

RAF Bicester

Bicester 2501 Extn 56

3rd June 1966

6204F/1/5/13/Air



AWRE Orfordness
Woodbridge, Suffolk

ORFORDNESS - BOMB DISPOSAL RECONNAISSANCE

Reference A: 6204F/1/5/13/Air dated 6th April 1966.

B: RAF/AWRE/C2101 dated 13th April 1966.

1. As requested at Reference 'A' and re-iterated at Reference 'B' a firm date has now been selected to carry out a Bomb Disposal Reconnaissance of the Old Bombing Range at Orfordness.

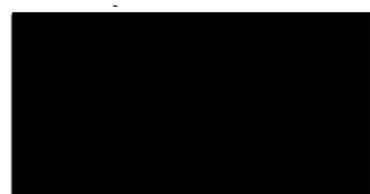
2. It is therefore requested that permission be granted to carry out this Reconnaissance over the period 14th to 16th June 1966 inclusive.

3. The BD Reconnaissance Party will consist of the following personnel:-

578380		<u>F.1250 No</u>
H0552373		B193712
W4140727		B051085
P0589961		B008095
		B011483

4. It is also requested that facilities be made available for meals in the AWRE Canteen, and for issues of petrol,oils and lubricants for one LWB Landrover.

5. Accommodation will be arranged by the Officer Commanding No 6204 BD Flight.



Officer Commanding

41

OG/11/14
6204F/1/5/13/Air

6th June, 1966.

No. 6204 BD Flight,
R.A.F. Bicester,
Bicester,
Oxfordshire.

For the attention of [redacted]

Dear Sir,

Orfordness - Bomb Disposal Reconnaissance

Thank you for your letter of 3rd June, 1966, concerning the proposed bomb disposal reconnaissance to be carried out on the old bombing range at Orfordness.

The proposed dates of the 14th to 16th June, 1966, are convenient, and we shall expect you on the 14th. I shall be on leave during this period myself, but [redacted] [redacted] will be available should you require any assistance.

Facilities will be made available for your party to have mid-day meals in the A.W.R.E. canteen, and petrol, oil, and lubricants for your Landrover can be obtained in the usual way.

I note that you will arrange your own accommodation, and understand that this has been booked at the King's Arms in Woodbridge.

Yours faithfully,
[redacted]

EAST SUFFOLK & NORFOLK RIVER BOARD

OUR REF R/ASD 6/83.

THE CEDARS,
ALBEMARLE ROAD
NORWICH, NORFOLK
Telephone 63257 8

YOUR REF

Area Office,
111, High Street,
ALDEBURGH,
Suffolk.

Phone. Alde. 2305.

[REDACTED],
A.W.R.E.,
Orfordness,
Orford,
WOODBRIDGE.

7th June, 1966.

Dear [REDACTED],

Aldeburgh Beach Nourishment Scheme.

I set out below totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

	1-3/4/66	747	Cu. Yds.
W/E.	10/4/66	2,594	Cu. Yds.
W/E.	17/4/66	3,323	Cu. Yds.
W/E.	24/4/66	3,427	Cu. Yds.
W/E.	1/5/66	3,956	Cu. Yds.
W/E.	8/5/66	3,362	Cu. Yds.
W/E.	15/5/66	3,640	Cu. Yds.
W/E.	22/5/66	4,066	Cu. Yds.
W/E.	29/5/66	3,915	Cu. Yds.

The total amount for period 1/4/66 to 29/5/66 inclusive being 29,030 Cubic Yards and I shall be pleased to receive your invoice for Royalty Charges at your earliest convenience.

WORK CARRIED OUT SATISFACTORILY.
PRICES CERTIFIED FAIR AND REASONABLE

Yours Sincerely

SIGNED [REDACTED]

DATE: 8.6.66

*Went to speed
price
L2451-100*

*Original to
Alderman at
[Signature]*

EAST SUFFOLK & NORFOLK RIVER BOARD



OUR REF R/ASD 6/84.

THE CEDARS,
ALBEMARLE ROAD,
NORWICH, NORFOLK
Telephone 52257-8

YOUR REF
Area Office.
111, High Street,
ALDEBURGH,
Suffolk.

Phone, Alde. 2305.

[Redacted]
A.W.R.E.,
Orfordness,
Orford,
WOODBRIDGE,
Suffolk

19th July, 1966.

Dear [Redacted]

Aldeburgh Beach Nourishment Scheme.

I set out below totals of shingle transported from Orfordness for beach nourishment at Aldeburgh:-

W/E.	5/6/66.	1,577	Cu. Yds.
W/E.	12/6/66.	3,975	Cu. Yds.
W/E.	19/6/66.	4,042	Cu. Yds.
W/E.	26/6/66.	3,933	Cu. Yds.
W/E.	3/7/66.	3,974	Cu. Yds.

The total amount for the period 30/5/66 to 3/7/66 inclusive being 17,501 Cubic Yards and I shall be pleased to receive your invoice for Royalty Charges at your earliest convenience.

Original to Alderman. 20/7/66

Agreement I Yours Sincerely,

WORK CARRIED OUT SATISFACTORILY,
PRICES CERTIFIED FAIR AND REASONABLE

SIGNED:

[Redacted Signature]

20/7/66
DATE: _____

Price £875.1.-



20th July, 1966.

[REDACTED]

6204 B/D Flight.
R.A.F. Bicester.

OFFICERS RECOGNISANCE.

Sir,

Herewith two copies of drawing No. CES/5703 D as requested. One copy contains the information you require, the other has been left blank for your use.

Notes:-

- (1) Excavations by the East Suffolk & Norfolk Rivers Board are due to cease late September or early October this year. It is not anticipated that further work will be undertaken unless there is a major breakdown in the sea defences.
- (2) The inner security fence is shown on the plan as an unbroken red line.
- (3) The north and south boundary fences are shown at each end of the drawing. These fences stretch from the H.W. mark (sea wall) to the river Ore (river wall). The fences are shown in red.
- (4) The positions of the various sign boards are shown by black circles.
- (5) The area of the Establishment above high water mark is shaded in yellow, and includes the thin strip of shingle bank which forms the sea wall from the lighthouse area to the north boundary fence.
- (6) The brown shaded area indicates that area in which personnel from H.M.S. Vernon carried out a surface search.
- (7) There are no records of a search by R.A.F. having been carried out in 1958 in the area known as 'borrow pit'. As far as is known any area from which clay has been removed to make up the river walls is known as a 'borrow pit'. The two main areas from which clay has been removed for this purpose are shown on the drawing in green shading, neither of these areas were searched by R.A.F. as far as is known.

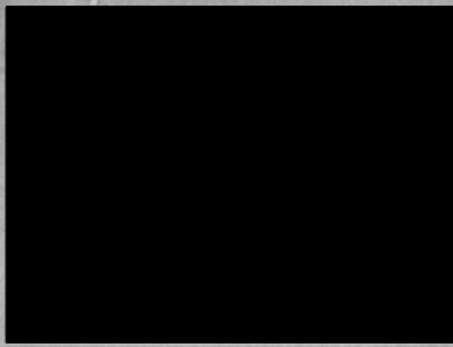
There was, however, an area on the mainland (indicated by large red circle on drawing) which was known as 'burrow pit', and this area was, in some way, connected with activities carried out by M.O.A.

What these activities were, and whether or not a search was made in that area by R.A.F. in 1958, is not known.

[REDACTED]

E82

EAST SUFFOLK & NORFOLK RIVER BOARD



REF: N/150 6/85.

THE CHURCH
ALBANY ROAD
NORWICH, NORFOLK
NG1 1JF

Area Office,
111, High Street,
NORWICH,
NORFOLK.

Phone: 466, 2191.



Orfordham,
Orford,
WOODHURST,
Suffolk.

10th August, 1966.

Dear



Albany Road, Norwich, Norfolk

I set out below totals of single transport from Orfordham for beach nourishment at Woodhurst.

W.S.	10/2/66	4,037 Cu. Yds.
W.S.	17/7/66	3,808 Cu. Yds.
W.S.	22/2/66	3,097 Cu. Yds.
W.S.	31/7/66	3,890 Cu. Yds.

Nourishment for the tide being completed on 29/7/66 and the total accrued for the period 2/2/66 to 31/7/66 inclusive being 14,832 Cu. Yds.

I shall be pleased to receive your invoice for royalty charges for the above yardage at your earliest convenience.

Agreement. I Agree
Matches Agreed

WORK CARRIED OUT SATISFACTORILY,
PRICES PAID FAIR AND REASONABLE. *Price £741.*

SIGNED



DATE: 10/8/66

Raymond G. Ald.

