

EAST AFR. PROT
26906

C O
26906
REC'D
REG'D 23 JUL 14

Governor
Esfield 623

1914

1st July

Last previous Paper.

GOVERNMENT HOUSE, NAIROBI
DRAINAGE & SANITARY ARRANGEMENTS

The papers as to state of. The Chief Sanita
Officer and the P.M.O. are of opinion that the wo
so urgent that it should not be delayed until to
next year. Encloses estimate of cost £963. Asks if
provision should be made in 1915-6 Estimates or i
work should be undertaken forthwith and cost met
from savings;

L. J. Anderson.

Approve if the wo
being put a hand at once at a
cost not exceeding £1,000. - and the
cost to be met from general savings
on the year's estimates?

H. J. S.
24/7/14

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Handwritten notes in left margin:
copy of [unclear] sent 28 Aug 14.

at subsequent Paper.

52/5453



EAST AFRICA PROTECTORATE.

No. 623.

July 1st, 1914.

Sir,

I have the honour to submit for your consideration copy of a letter addressed to my Private Secretary on April 7th last by the Chief Sanitary Officer after a careful personal examination of the drainage system and sanitary arrangements at Government House, Nairobi, together with a copy of a report by the Sanitary Inspector. In reply to my enquiry on receipt of this communication, Dr. Radford has added his view that the work is of so urgent a nature that in his opinion it should not be delayed until next year. This opinion is shared by the Principal Medical Officer.

2. In compliance with my instructions

the

THE RIGHT HONOURABLE

LEWIS HARCOURT, P.C., M.P.,

SECRETARY OF STATE FOR THE COLONIES,

DOWNING STREET,

LONDON, S.W.

Dr. Radford

4-1914

by Inspector

10-3-14

L.P.W.

1-14

the Executive Engineer, Public Works Department, has conferred with the Chief Sanitary Officer and submitted an estimate of the cost of the necessary remedial works, which, as shown in the letter from the Director, copy of which is enclosed, amounts to 1968, say £1,000.

3. I shall be glad if you will instruct me whether provision for this expenditure should be made in the draft Estimates 1915-16 or whether the work should be undertaken forthwith and the cost met from general savings.

4. I have not thought it necessary to trouble you with the plan referred to.

I have the honour to be,

Sir,

Your humble, obedient servant,

Alonzo B. ...

GOVERNOR.

AGENT.

26906

Medical Department,

REC^d
REC^d 23 JUL 14

Headquarter Offices, 194

Nairobi, April 7th 1914.

INCLOSURE *201*

In Despatch No. 623 of *July 1st* 1914

Dear Mr. Brett,

Government House - Sanitation.

In continuation of my letter dated 4th March 1914, I have caused a complete survey of the drainage and sanitary arrangements of Government House to be made; copies of the official reports are attached.

2 Enclos.

2. There can be no question that the survey has revealed a serious condition of affairs the continuance of which can only be regarded as a grave menace to health. In fact I am of opinion that the matter should be laid before His Excellency for his information without delay.

3. The necessary measures to be undertaken embrace both structural alterations, and the exercise of proper supervision, and from personal knowledge I am able to confirm the opinions expressed by the Medical Officer of Health and Sanitary Inspector.

4. I trust that His Excellency will give me instructions to proceed with the work without delay.

Yours truly,

sd/- W. J. Radford.

REC^d
REC^d 23 JUL 14

Despatch No. 623 of July 1st 1914

Health Officer,

Nairobi.

March 30th 1914.

Sir,

I have the honour to inform you that in accordance with your instructions I have made a rough survey and plan showing the present and proposed drainage for Government House, together with report on the same.

The present system of drainage is very bad indeed. The house underground drains are quite satisfactory, but the main drain and outfall is very bad and besides being a serious danger to health.

The house drainage apparently enters a cess-pit (60 yards away from the house) which is provided with a pump, this pump is however broken and quite useless. The cess-pit is apparently full up and overflows at present into a small depression a 100 yards away from the house and this stagnates. This stagnating bubbling swamp of filth, affords an ideal breeding place for all kinds of disease. The stable drainage is equally bad. The concrete stable drains are good, but four separate drains end abruptly on a small swamp 20 yards away from the stable and at the time of my inspection a large number of larvae were breeding. The drainage from the stand pipe B, gets away through a short length of concrete drain to an earth drain, which discharges into a natural drainage channel.

The

The native latrine is in a disgusting state, and has apparently been loosely constructed of old iron sheets and packing cases.

All house and kitchen refuse is thrown into a pit near the native latrine and affords a splendid breeding ground for flies. The following measures are urgently required to remedy the present insanitary state of Government house drainage &c.

- (a) The house drainage to be taken by underground pipes to a septic tank to be constructed on the edge of the fir tree plantation, about 200 yards south of the house. The effluent to be irrigated by trenches 3' deep with bottom of stone brushwood and murrum, the effluent after passing through the irrigation trenches to discharge into the existing drain overflow.
- (b) Kitchen drainage to be connected up to disused drain C, thence discharge into the stable drain. Kitchen drains to be disconnected from house drains and drain A to be thrown out of use.
- (c) Stable drainage to be discharged by concrete drain D into the drain overflow.
- (d) Latrine, Garage and standpipe drainage to be carried off by concrete drain E, this drain to discharge into stable drain. Exception may be taken to the kitchen and stable drain discharging into drain overflow without being treated, but I find that an immense quantity of fairly clean water comes from standpipes B and F so that the drains will be continually flushed.

(e) The native latrine should be removed and a proper latrine of 6 buckets with ample supply of water be constructed. The new latrine should have concrete base the "squatting slab" should be of concrete, ridged edges with a slope to the hole in the middle. On each side of the hole should be foot ribs, the slab to be of large size, height from the floor to be 2' more than height of bucket. A ridging to be put on the floor underneath the slab so that the bucket when replaced will be exactly under the hole.

(f) To dispose of the refuse an incinerator should be built similar to those in use at the Printing Office and K.A.R. lines. The incinerator enclosure to be surrounded with wire netting to prevent refuse being blown about the compound.

(g) Finally, I should like to suggest that traps be put in the quarters by the latrine once a week. Weekly inspection by mosquito boy, weekly inspection of the whole compound by the Sanitary Inspector.

A sufficient staff to attend to the clearing of drains and working of septic tank; this staff to be supervised by the Sanitary Inspector.

I have, etc.,

Sd/ A. Fred Bennett

Sanitary Inspector.

87/65

C.O.
26906
REC'D
REG'D
23 JUL 14

INCLOSURE No. 3

In Despatch No. 623 of July 14, 1914
PUBLIC WORKS DEPARTMENT,

HEAD OFFICE. 198
NAIROBI.

In reply please quote No. 311/25-
and Date June 4 1914.

Drains of Government House and Grounds.

Sir,

I have the honour to forward for information of Government statement, carefully compiled by the Executive Engineer, Nairobi, as to the cost of carrying out the proposals of the Chief Sanitation Officer for the complete drainage of Government House and grounds. This is accompanied by a plan P.W.D. No. 1438 upon which the entire system is very clearly shown. The practice arrived at by the Executive Engineer is 1874 or allowing 10% additional vote for contingencies 2963. The project is now submitted in a form which will allow of its being put up for advance sanction by the Secretary of State for inclusion in next year's estimates.

Details are as follows:-

1150 lin. feet of 6" channel drain in C strength @ 1.75 per lin. foot	Rs 2012. 50
240 lin. feet 9" channel drain @ 2.75	660. 00
320 lin. feet 12" E section @ 3.50	Rs 1120. 00
550 lin. feet E section @ 4.12 (includes by pass.)	Rs 2266. 00
Carried over	Rs 5264. 70

ON FILE TO THE CHIEF SECRETARY
TO THE GOVERNMENT,
NAIROBI.

Brought forward:-	Rs 5244. 70
265 lin. feet E section, covered @ 5/-	" 1325. 00
Septic and settling tank (latter 6' dia. x 6') in accordance with G.S.O's sketch.	" 750. 00
1 Inspection Chamber	" 50. 00
4 Seat Latrine Municipal pattern.	" 400. 00
Remove stand pipe and re-erection (Railway) say	" 40. 00
30' covering to F section drain	" 20. 00
Construct Corr. Shed of G.I. and wood, murrum floor, 30' x 20' @ Rs 2.50 per foot covered area	" 4500. 00
Construct Incinerator (Secretariat pattern.)	" 200.00
Concrete floors (2) mule stables and convert into stores (235 super. feet) and renewals	" 175.00
Dismantle portion of store	" 30. 00
Supply and erect 390 line feet guttering	" 260. 00
Remove and re-erect on other site, shed and enclosure for birds	" 144. 00
Alterations to native kitchen near old mule stable	" 30. 00
	<hr/>
Total Rs	13,141. 70
	<hr/>
or say	13,142
Being in lieu 10%	1314
	<hr/>
	12,828

I have the honour to be,

Sir,

Your obedient servant,

Sd/- W. McGregor Ross,

Director of Public Works.

Gov. 26906/1914

200

E.A.P.

S.V.

25 July 1914.

Sir,

I have the honour to acknowledge the receipt of your despatch, No. 623, of the 1st of July, ~~and to inform you that~~ relating to the drainage system and sanitary arrangements at Fort. House, Nairobi, and to inform you that I approve of the work proposed being put in hand at once at a cost not exceeding £1000.

2. The expenditure

DRAFT.

E.A.P.

No 712

For Hist. Belfield

MINUTE.

Mr. Harper 24/7/1914.

Mr. Read 24

Sir G. Fiddes.

Sir H. Just.

Sir J. Anderson.

Lord Emmott.

Mr. Harcourt.

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