Archives I—10,006—16-8-77.

(1) Number of pages 297

(2) Date of repair 26.11.86.

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public works DEPARTMENT

G.O. No. / B.P. No.	725 W	Press. / Mis.
Dated	19-3-1880	197

Not to be folded or roughly handled

ROADS AND BUILDINGS.

No. 636

CONSULTING ARCHITECT'S OFFICE,

Chepauk, 9th March 1880.

FROM

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE CHIEF ENGINEER, PUBLIC WORKS DEPARTMENT,
BUILDINGS AND ROADS BRANCH.

SIR,

Enclosures.

1 Abstract
1 Drawing
1 Estimate
1 Letter

Bris. No. 2383 W. 25-4-79.
C.E. 365 2-2-80.

ROADS AND BUILDINGS.

P.W.D.
10 MAR 80
M.R.

From

The Consulting Architect
to Government,

To

The Chief Engineer, P. W. Department,
Buildings and Roads Branch.

No. 16

Dated 9 March 1880

Received

No. of Enclosures. 4

Estimate, Drawings &c.

for erecting a Compound
Wall round the Fort
Barracks at Galle

P. W. SECRETARIAT—1873-80.

KEEP WITH. 17/9

Current No 1691.

Letter No. 636.

Dated the 9th March 1880.

from the Consulting Architect to Government.

Note of Remarks.

The Estimate &c. for 1782 with Plan for Erecting a Compound Wall (length 785 ft.) along the Fort Barrack Boundary of Elliots Star & the Parade at the Road leading towards the Point & Pedro Respectively, have been checked & found Correct.

The Rates Items &c. agree with the Bill Schedule.

Design No 2 Estimated to Cost Rs 19,064 has been approved of by the Revd W. Collins.

The Length of the Compound Wall (785 ft.) provided for in the Consulting Architects Estimate &c. for the Fort Barracks of the Fiscal &c. at the Parade Galle Road.

The Corps Drgs in his Original Estimate of Rs 6800, provide for Cast Iron Railings 22 ft. Centre in the Front of Elliots Bridge & Masonry Wall on the Sides & Centre Bridge — length 2691 ft.

17/9

Inclosure No 2

Estimate of Rds 8830. to provide for Earth-work Railings 5ft high on the North & Western sides & Masonry Wall on the East side on Length 1791 ft.

Inclosure No 3 General Estimate Rds 6400. to provide for the Masonry Work on the East, West & Northern sides. Length 1818 ft.

The Estimates have not been Countersigned by the Chaplain.

13th March 1880.

Church of Scotland
Senior Chaplain's Office
Madras 9th March 1880.

From

The Revd D. A. Liston
Senior Chaplain
Church of Scotland
Madras

To

The Executive Architect
to Government
Madras

Sir,

I have the honor to acknowledge receipt of your letter of yesterday's date forwarding two plans and estimates for erecting a Church with power reserving there to and calling for any remarks I may have to make on the subject.

In reply I have to state that I approve very highly of design No I. It is a handsome building, well suited for the purpose intended and would be an ornament to the Church and the whole district. Whether we regard it as a mere ecclesiastical edifice or a work of fine architectural taste and engineering skill I believe the kirk is worthy of such an enclosure as you have designed. Yet the same time I fear the costs will be too great for the Government to sanction the amount required. Such if the money were forthcoming, design No I is the one which I would prefer to all I have seen yet.

In the event therefore of the Government refusing their sanction to design No I we would require to fall back on No II. I think before doing so it might be worth while to consider whether the east side of the compound might not be enclosed with the upright iron railings that were at first approved by the

Brick dome, at a cost not within the amount already sanctioned. The Pile along the foreshore I consider should be carried out and if this were done as suggested by the Chief Engineer would for a year or two when piles may be more suitable for enclosing the filled facing Esplanade Road. I am most desirous that the foreshore be suitably enclosed as at present it is most unsightly, and nothing can be done to improve its appearance by City until an effective thoroughfare. I would rather have my plan of enclosure than none at all but I agree with the Chief Engineer that a pure public building like the Baths ought to be more substantially dealt with, and as I should not like to lose the money already sanctioned for this purpose I sincerely trust no effort will be done over. Plan of Jetties from the best plan would be to close the Pier head side with the iron railings already approved by the Park Board and would fill in the enclosed space to enclose the land facing Esplanade Road. The portion of the foot will also partly help for a year or two.

I return the plans, estimates and letter as required.

I have the honor to be
Sir
Your most obedient humble Servant

Jno R. Leston
Ag. Town Chamberlain
Council Chamber
Christchurch

P.S. After an interview with the Consulting Architect to Government I have come to the conclusion that Design No 2 is the most endurable & suitable Plan yet submitted and on his recommendation I agree to the design No 2 being selected.

Jno R. Leston
Ag Town Chamberlain

They are usually
taken off in the fences
in Connecticut and
might be used to take
the water in hand
as they commence to
swell up a charge for
putting the cost if possible
to take with 6 or 700
?

Among or two times
when there may be used
among the Stone &
the part facing to
? Road might be
built with a Land
Pier and a Jetty
pier might built to
limit such. In any
case it will be my under-
stood that a part
of the cutting should be
settled with land &
Subsidy shall not

19.2.80

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Rec'd

Rec'd

Bridal Reception - Indian
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Estimate for the cost of erecting a compound wall along the Northern boundary of St Andrews Kirk on Bonnaville Road

Design No 1

Quantity	Item	Rate per amount	Total
	For a length of 17 ft 10 inches		
124 Cyft	Excavation for foundations	16 Cyft	7 9 4
42 "	Concrete	4 " "	6 3 7 6
42 "	Brickwork in foundations with Rick field bricks	4 12 " "	7 6 3 6
26 "	Brickwork with hard pressed bricks	3 " "	5 10 8 6
16 "	Embankment in coping ft	2 4 Cyft	36 " 6
17½ Sft	Cast iron railing with wrought iron fastenings complete	4 " Sft	71 8 4
62 sqft	Painting Brickwork	2 " sqyd	1 3 10 4
27 "	Plastering with Cement	8 " "	2 2 5 4
59 "	Painting iron work with 4 coats of Colcard paint	38 " "	2 1 12 6
			135 8 4
	Contingencies about 5 percent		6 7 7 8
	Cost of 17 ft 10 in ft		203 " 6
	For 785 ft Required		8936 " 2
	Piers		
24 Cyft	Excavation	1 6 Cyft	" 14 4
8 "	Concrete	4 " "	1 3 "
6 "	Brickwork in foundations with Rick field Bricks	4 12 " "	1 " 4
102 "	Embankment	24 " Cyd	38 2 "
3 Cyft	Plastering with Cement	8 " Cyft	" 3 10
	Contingencies		1 4 11
	Cost of one Pier		22 " 6
	Cost of 7 Piers		224 " 2
	Total Cost Required		9160 " 2

Engineer Attached to Government

Sheet No 1.

Contour Level along the
Northern boundary of St
Andrews North Meadow

P.W.D.
10.1880
No

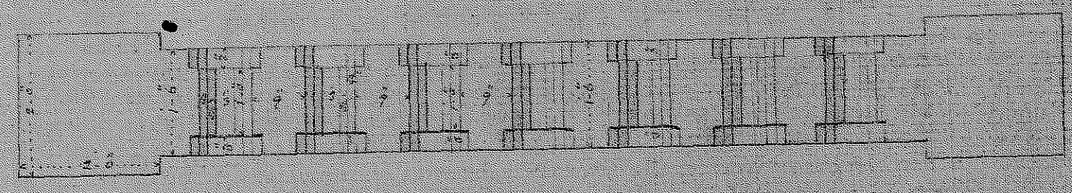
Edmund Roper, 1880-0-0

Crown Land Office
2nd March 1881.

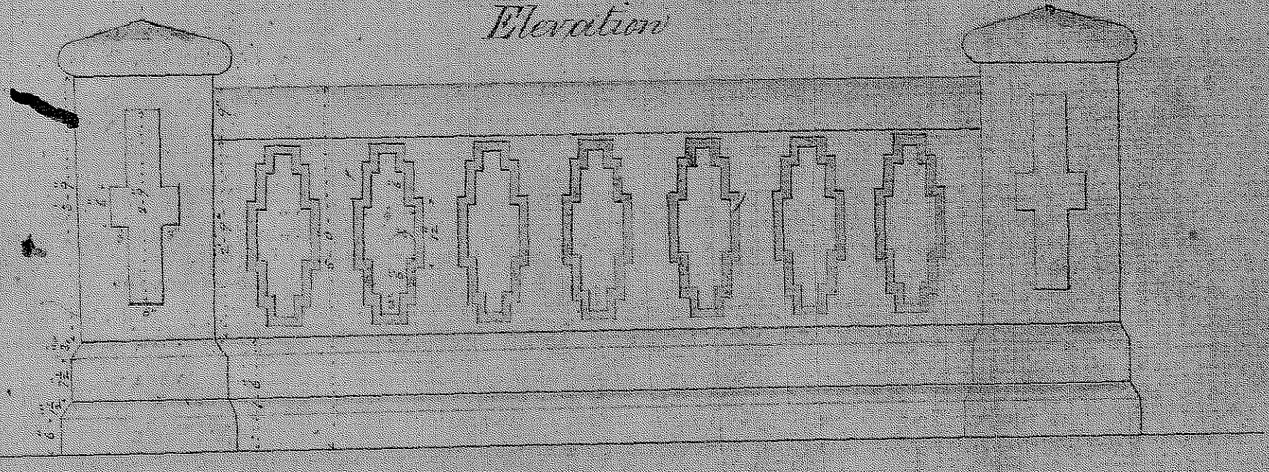
Revised

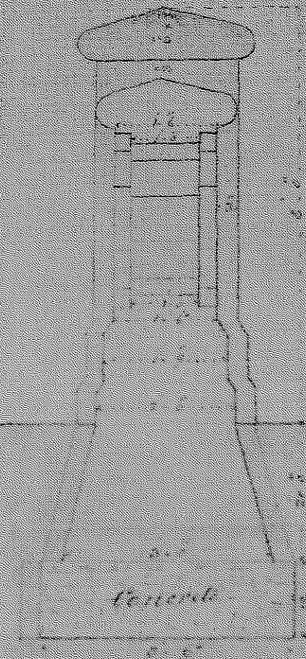
Detail Plan Elevation and Section shewing the proposed compound Walls around St. Andrews Church and Cemetery. Madras.

Plan of a Bay



Elevation





Amt of Estimate Rs 64,000.

Nature of Soil — Black Clay

Description of Foundation brick in chunam and concrete

Approved

Wm. R. Lushington
Rt Revd Lord Bishop of Madras

Recd the Amt of Estimate
for Rupees

Accepted

Alex. Anderson Capt. Major R.E.
Agt. Public Engineer 3rd Circle

Scale 2 Feet to 1 Inch

0 1 2 3 4 5 6 7 8 9 10 11 12 Feet

Lieut.
Assistant Engineer
In charge Presidency Division

P.W.D.
1 OCTOBER
No.

No 803

3rd Circle Superintending Engineer's Office
Chepauk 16th February 1880.

175
175

From

The Superintending Engineer
3rd Circle,

To

The Chief Engineer
Public Works Department.
Madras.

Enclosures 3.
1 Sheet Estimate
1 Specification.
1 Sanctioned Plan

5

Sir,

With reference to your Memorandum No 365 dated 2nd February 1880, I have the honor to forward the enclosed Estimate amounting to Rs 6400 for enclosing the compound of Saint Andrew Church in Royapuram Chepauk with a stone wall and the repairs to the Church and Chaplain's House.

2. I request early sanction to the Plan and Estimate herewith forwarded amounting to Rs 6400 already allotted

for the month being utilized neither the
current official years.

I have the honor to be
Sir
Your most obedient servant
Asa Fitch Jr
Major &c
Agricl Engineer 3d Cavalry

P. W. 820
Letter

From

The Superintending Engineer
3rd Circle

Dated 16th February 1880
Received

Enclosure 3 — 12.

No 803

St. Andrews Church
Forwards for sanction Plan
Estimate &c amounting to
Rupees 6400 for enclosing
the compound of

Pl.

On return
to Accn. &c
365 & 2nd inst. which
was written from you to
Executive Engr SE was
asked to prepare & forward
to be worked entirely on
Rough Stone except
arches & which & front
with fine hewn
The design does not
show any Buttresses which,
I assume, should be
provided at the
angles of the
building &
one more

P. W. SECRETARIAT—1879-80.

KEEP-WITH.

Current No. 1110

Letter No. 803

Dated the 16.2.80

from the S.E. 3rd Circle

Asstt Engr.

Plan revised Est.
amounting to Rs: 6400
for enclosing the compound
of St. Andrew's Church at
Ootacamund, has been received
with reference to E. Engr:
Memo: No: 385 dy 2.2.80
& bought down to the
amount sanctioned
by E. E. No: 2983 dy
25.11.79.

The plan of the
compound wall of the
Church which was
forwarded for communication
with the Executive Engineer
has been returned to the
Executive Engineer

compacte each Day
towards the erection
of the S. S. Railway Train
ing being often Quick-
work, which is only
5/- high, They will
easily climb over it
& make it in pieces
away each, & thereby
injure it, which
will create an enormous
maintenance. Therefore
it will be necessary
to make the F. E. to
the Depth of the
Stiff Work & to Form
Stepped Planing, or to
adopt the Plan shewn
explaining each as
Fig 4 & the Cost with
a line below &c.
which to the Estimate
the Embankment

Plan in C. Engn:
Name: above referred
to.

Referred Engr
has Examined &
found Correct.

L. H. J.
18. 2. 80

Fig 4

Plan of the Estimate
now submitted should
be Sanctioned for
the Earthwork
the Earthwork now
done Retained
by Engrs

L. H. J.
18.2.80

Specification to accompany
Estimate for Constructing a Compound
wall around Saint Andrews Church
Madras.

Amounting to Rupees 6000 —

Excavation

Excavation for foundations to be
taken down to a depth of 3 feet.

Concrete

The lower steps of foundations
to be built with Concrete, the proportions of
the Concrete will be as follows 5 parts of
granite stone jelly broken into Cubes of
1 to 2" Size from Quarry to ensure one
part of good washed River Sand &
2 parts of Country Surkee to be well
pounded, then well laid on layers of 6"
at a time well rammed, Care being taken
that no new layer is added before the
one immediately under it has been
properly Consolidated

Foundations

The foundations will be of
brick in mortar, none but well burnt
bricks to be used. The Bricks to be Compact
-ed of one part of slaked white lime to 4 parts
River Sand well mixed together thoroughly
to be wetted before using and Every brick
bound to be well watered throughout.

Plan

The basement & superstructure will be built of the same material as the foundations and the composition of the mortar the sand, the walls between the pillars will be open work as shewn on the plans. the masonry will be kept moist during the progress. The pillars and intermediate walls will have a coping of bricks on mortar projecting 3" on each side beyond the walls as shewn in the plans.

Basements & Superstructure

P.W.D.
16 FEB 80
No.

The joints to be raked out & the walls plastered inside and outside with 2 Coats of shell lime mortar 1st Coat to Consist of one pound of shell lime to 1½ of river sand well ground together. A few days after the first Coat is put on the 2nd Coat will be applied and will Consist of 3 parts of shell lime to one of white sand well ground together and Smoothed off.

Plastering

All rubbish to be removed and the premises left in a clean state after the Completion of the work &c.

Approved
16th February 1880

Executive Engineer

Contractor

Witness

Executive Engineer

No 328 of 1879-80 dt. 10-2-80

Head of Service Provincial
Fund Ordinary
Class Two
Major Head Civil Building
Sub Head. Executive
Name of work Constructing a Compound wall around Saint Andrew's Church Bandra
Vide Supt. Engr. Circular No 6 of 25th Feby 1880
Remarks Keep to Report Cover
To be Carried out by the P.W. Dept.

Quantity	Description of work	Rate	Rs	As	P
5/8	Cft Excavation	1	6	4	10
47/2	Cft Concrete with granite stone jelly & over the Channam	2	4	6	10
170	Sft Brickwork in Channam	1	2	11 & 30	15 10
2/8	Sft Plastering 2 Coats Channam	2	8	4	5 15 0
	Sundries				1 5 9
	Total for 12 Cft walls				45 11 8
	Do 1 Do				3 8 1 nearly
1818	Cft of Compound wall	3	8	1	Effaced

Total Rupees 1500 - -

Approved
20th Feby
1880

Executive Engineer

Witness

Executive Engineer

Estimated at Rs 1500 - -

P.W.D.
16 FEB 80
M 0

P. W. Department
776
18

Read the following :—

Plans for Excavating Cricket Ground Nº 56 adopted 9th March 1880.

FOR ORDERS.

Ans Plans 2983 Sq yds 25th March 1879 are extended Excavating 5½ deep for Cricket Ground Nº 56 Ascot Heath with Ave clear footing round Excavation and Soil deposited

2. The Contractor to have Plans prepared without much Excavation as possible and Plans forwarded for approval of Superintendent before proceeding that the Ground will be ready for use by 30th June 1880. Plans 2983 Sq yds, 5½ deep footing round, Soil deposited

3. [illegible]

12 superth
Nº 2 - Reign. Ct
by carry from the
Church as we can.
9 drift turn Ct
turn Ct 2 Lists
The contract
Lith next Thursday
June 6th.

Ans. Let the required number be x; then $\frac{x}{3}$ will be the number of days he worked, and $\frac{x}{4}$ the number he was idle; but $\frac{x}{3} + \frac{x}{4}$ is the number of days he was employed and idle, which, by the question, is equal to 84; therefore $\frac{x}{3} + \frac{x}{4} = 84$. Multiplying by 12, the common denominator, we have $4x + 3x = 1008$, or $7x = 1008$. Dividing by 7, we have $x = 144$, the number of days he was employed and idle. Then $\frac{144}{3} = 48$, the number of days he was idle, and $\frac{144}{4} = 36$, the number he was employed.

6. Let x = the number of days he was employed, by the Question; then $\frac{x}{3}$ = the number of days he was idle, by the Question; and $x + \frac{x}{3}$ = the number of days he was employed and idle, by the Question; but $x + \frac{x}{3} = 84$, by the Question; and $\frac{3x + x}{3} = 84$, by Reduction; and $4x = 252$, by Reduction; and $x = 63$, by Division; and $\frac{x}{3} = 21$, by Division; and $84 - 63 = 21$, by Subtraction. Therefore 63 days he was employed, and 21 days he was idle.

R. M. Lawler
Prop. Math. Department

FOR ORDERS.

No. 725 M

Pub. Wks. Department.

PROCEEDINGS of the MADRAS GOVERNMENT. 30

Under date the 19th March 1880.

READ the following

From

The Consulting Architect (No. 636 dy 19th March 80)

The plan and estimate amounting to Rs 4906 for a compound wall along the northern boundary of St. Andrews Kirk, Madras, are sanctioned for immediate execution, in lieu of the estimate of Rs 6,400 sanctioned in GO. No. 2983 M of 25th November 1879.

2. The work will be carried out by the Presidency Engineer Executive Engineer

C 19 Dec

3. This paction has
been registered as Journal
No. 103 13 of 1879-80.

Public Works Dept.

Dist. 725 N.B. 19. March 1880

Sd. Illegible
Com: Selection Committee
Examiner Of Accts.
Asst Draftsman

MADRAS RECORD OFFICE
Government Records.
Public Works Department.

Mis
Despatch from England
Dated 19-3-1880
No. 225