M.R.O. 1—77,006—8-6-37.

(1) Number of pages 12

(2) Date of repair 9.9.10

(3) Initials of the Referencer G

MADRAS RECORD OFFICE.

Government of Madras.

Financial DEPARTMENT.

G.O. No. 680 Press/Mis.

257-260 259-260

Dated 21-8- 1875.

7/8

Not to be folded or roughly handled

Municipal—Drainage.

No. 259. Read the following letter from W. CLARK, Esq., C.E., Drainage Engineer, Madras, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, Fort St. George, dated Madras, 15th March 1875 :—

I have now at the completion of my three months' engagement to report that the scheme for draining Madras though well advanced is not completed. The very considerable amount of additional work in taking the levels of the city has been the chief cause of the delay, occupying as it did nearly one month of my time.

2. I am, however, able to state that this work has not only been necessary, but it has enabled me to proceed with greater confidence and further into the detail of the scheme than I could have otherwise done.

3. The present condition of the work is this.

4. I have laid down on the Revenue Survey of Madras, at a scale of 100 feet to the inch, the levels and inclinations of the sewers for every street and lane in the following divisions :—

Black Town, the Fort, Triplicane, Chintadrepett, Pursewalkum, and Egmore, which will all drain towards the Central Pumping Station near the Elephant Gate Bridge. The Plans and Sections of every street, except minor lanes of one or two hundred feet long, have been made, and now only require to be inked in by the office establishment.

5. The estimate also for the above is well advanced and only requires the totals for each street and the grand total of the whole to be worked out.

6. For Mylapore and St. Thomé I have devised a separate small scheme, by laying a sewer pipe near the north and south limits of the district through the streets at right angles with the shore line, at an inclination of one in four hundred.

7. I am enabled satisfactorily to drain the whole of the thickly populated area into the sea where each of the sewer pipes will discharge.

8. The pipes will be of the usual stoneware description with iron pipe of similar diameter, extending from the shore line for a distance of 100 feet into the sea, the level of these at the outlet will be one foot above mean sea level, each being provided with a self-acting valve at the end to prevent the entrance of sea water and permit the discharge of the drainage.

9. What now remains to be done is the completion of the estimate for the sewers, and the details of several especial portions of the works, such as the termination of the outlet culvert in the sea at two miles north of the old Railway Station.

10. The "Syphons" under the Cooum and Cochrane's Canal, and the Central Pumping Station.

11. To enable me to complete this work, I have given up other engagements, and have deferred my departure from Madras till next month.

Proceedings of the Madras Government, Financial Department,
31st March 1875.

No. 110.

Transferred to the Financial Department.

FORT ST. GEORGE,
16th March 1875.

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government, P.W.D.

No. 260. ORDER THEREON, 31st March 1875, No. 680.

Communicated to the Public Works Department, and to the President of the Madras Municipal Commission.

(True Extract.)

Chief Secretary.

To the Public Works Department.
,, President of the Madras Municipal Commission

Exd. T. O'Connor.

worked out.

Drainage Engineer's Office
123 Mount Road
15th March 1875.

From

W. Clark, Esqre, C.E.
Drainage Engineer,
Madras

To

Colonel G. W. Walker R.E.
Secretary to Government
Public Works Department
Fort St. George.

Sir,

I have now at the completion of my three months engagement to report that the scheme for Draining Madras though well advanced is not completed. The very considerable amount of additional work in taking the levels of the City has been the chief cause of the delay, occupying as it did nearly one month of my time.

I am however able to state that this work has not only been necessary but it has enabled me to proceed with greater confidence and further into the details of the scheme than I could have otherwise done.

The present condition of the work is this.

I

Govt. of Madras.

FINANCIAL.

To

THE PUBLIC WORKS DEPARTMENT, &c., &c., &c.

Dated March 31st.
Issued.
Read. 2nd

G.O., 31st March 1875, No. 680.

MARCH
Nos. 259-260.

Municipal Drainage.—Letter from the Drainage Engineer, reporting that the scheme for draining Madras though well advanced, is not completed, communicated to the Public Works Department, and to the President of the Madras Municipal Commission.

I have laid down on the Revenue Survey of Madras, at a scale of 100 feet to the inch, the levels and inclinations of the Sewers for every Street and Lane in the following Divisions.-

Black Town, the Fort, Triplicane Chintadrepett, Pursewaukum and Egmore, which will all drain towards the central Pumping Station near the Elephant Gate Bridge. The Plans and Sections of every street except minor lanes of 1 or 2 hundred feet long have been made and now only require to be inked in by the office Establishment.-

The Estimate also for the above is well advanced and only requires the totals for each Street and the Grand total of the whole to be worked out.-

For Mylapore and St. Thomé I have devised a separate small scheme. By laying a Sewer Pipe near the North and South limits of the district through the Streets at right angles with the Shore line, at an inclination of one in four hundred.

I

7√

I am enabled satisfactorily to drain the whole of the thickly populated area into the Sea, where each of the Sewer Pipes will discharge.-

The Pipes will be of the usual Stoneware description with Iron Pipe of similar diameter, extending from the Shore line for a distance of 100 feet into the Sea. the level of these at the outlet will be one foot above mean Sea Level, each being provided with a self acting valve at the end to prevent the entrance of sea water and permit the discharge of the drainage.-

What now remains to be done is the completion of the Estimate for the Sewers, and the details of several especial portions of the works such as the termination of the outlet Culvert in the Sea at 2 miles North of the old Railway Station.-

The "Syphons" under the Cooum and Cochranes Canal, and the Central Pumping Station.

To enable me to complete this work I have given up other engagements and

have

have deferred my departure
from Madras till next
month,-

I have the honor to be,
Sir,
Your most obedient Servant
W Clark
C. E.
Drainage Engineer.

~~Financial~~ 1875 Depth
(Municipal Drainage)

From No: 1763

The Drainage Engineer
Madras

To

The Secry to Govt.
P.W. Department
No 648 Fort St. George

Dated 15th }
Received 16. } March 1875
Read 17. — "

Enclosure None

Reports that the
Scheme for Draining
Madras though well
advanced, is not as
yet completed.

With reference
~~Transferred~~

C24/3. 17/3/75.

Municipal Drainage

31st March 75. No. 680

Communicated to the Public Works Department, and to the President of the Madras Municipal Commissioners.

J.H.

To
The Public Works Department
-4- President of the Madras
Municipal Commrs.

15 March 75

Secretary to Govt. P.W.D.

Communicated to the Financial Department.

Chief Engineer (Civil) P.W.D.

Secretary to Govt. P.W.D.

15/3/75

R 16/3.

Govt. of {1875} Madras.

Fort

G. O., 31st March; 1875; No. 680

Nos. 259-260

Municipal - Drainage

Letter from the Drainage Engineer reporting that the scheme for draining Madras, though well advanced, is not completed, comd. to the P. W. D. & to the Presidt of the Madras Munl Commissioners.