

1895.

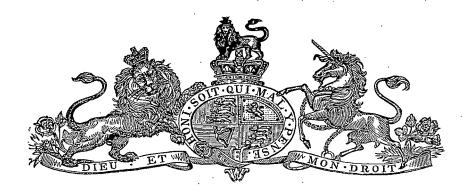
PARLIAMENT OF TASMANIA.

METROPOLITAN DRAINAGE BOARD:

REPORT.

Presented to both Houses of Parliament by His Excellency's Command.

Cost of printing—£1 12s.



REPORT OF THE METROPOLITAN DRAINAGE BOARD.

Chief Secretary's Office, Hobart, 12th June, 1895.

SIR.

Since our last annual Report the business of the Board has been practically in abeyance, having been confined to the completion of the skeleton plans for the urban portion of the Metropolitan Drainage Area. A Report from the Consulting Engineer (Mr. A. Mault) upon the work is attached hereto.

The annual statement of the Accounts of the Board, duly audited, is also submitted.

I have the honor to be,

Sir,

Your obedient Servant,

P. O. FYSH, Chairman.

To the Hon. the Chief Secretary.

METROPOLITAN DRAINAGE BOARD.

To the Hon. the Chairman and the Members of the Metropolitan Drainage Board.

GENTLEMEN.

I HAVE the honour to report to you that the surveys for the skeleton plan of the urban portion of the Metropolitan Drainage Area, and the maps thereof, are now completed.

With reference to the surveys, I hope shortly to prepare a full report showing in detail the methods used to insure accuracy, and how these methods have proved successful, so that you have a plan of the area that may be perfectly depended upon for the insertion of all the details still necessary, and for the planning and laying out of the drainage work to be done. But I may here mention that the surveys were based upon 148 primary and secondary triangles whose elements have been calculated from over 1600 sets of observations. From the main stations thus fixed the positions of more than 1200 survey stations—involving the fixing of the positions of a yet greater number of intermediate stations—were calculated by latitude and departure, and the correctness of the surveys proved, and the exactitude of the plotting of the plans assured.

There are in all 98 sheets of maps. They are drawn to a scale of ten feet to the mile, or one inch and a half to the chain, being one/528th of the full natural scale. This scale is large enough to show all the details of existing features of the ground, and of all works upon it such as buildings of all sorts, fences, drains, gully-grates, gutters; water and gas-pipes, valves, and fittings; lamp, telegraph, and other posts; footpaths, tramway lines—in short, everything necessary to enable the laying out of sewers and drains in

exactly the lines they should take to serve their purpose with the least interference with existing arrangements. The sheets are not numbered consecutively, as blanks have been left to bring in adjoining lands that may from time to time be built upon.

Thirty-one sheets, 49, 54, 55, 56, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 86, 87, 92, and 96, and parts of 18 sheets, 36, 37, 41, 42, 44, 48, 50, 53, 71, 72, 84, 85, 91, 93, 94, 95, 101, and 102 are occupied by the City of Hobart, with an area of about 1332 acres. Four sheets, 40, 43, 46, and 47, and parts of 6 sheets, 41, 42, 48, 53, 71, and 72 contain the skeleton

plan of about 141 acres of the Town of Mount Stuart.

Parts of 5 sheets, 43, 44, 50, 51, and 56, contain the skeleton plan of the Town of Glebe Town, with about 36 acres.

Three sheets, 88, 89, and 90, and parts of 2 sheets, 91 and 100, give the skeleton plan of about 126 acres of the Road District of Wellesley.

Parts of 2 sheets, 100 and 101, contain the skeleton plan of about 36 acres of the Road District of

Three sheets, 103, 104, 107, and parts of 8 sheets 84, 85, 93, 94, 95, 101, 102, and 109 are occupied by the skeleton plan of about 206 acres of the Town of Queenborough.

And 6 sheets, 110, 111, 112, 113, 114, and 115, and parts of 3 sheets, 101, 108, and 109, contain the skeleton plan of about 77 acres of the Road District of Queenborough.

The skeleton plans of 2758 acres of the Metropolitan Area are thus prepared. They have cost £2115 11s. 6d. apart from departmental expenses and the cost of the preliminary triangulation and levelling. To complete them with the full details alluded to above, and as shown on sheet 64, will cost £2200 more, apportioned thus-

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timated cost of completing the d	letailed survey and p	lan of Hobart	1430
, , , , , , , , , , , , , , , , , , ,	,,	New Town	370
, ,		Mount Stuart	72
"	,,	Glebe Town	46
13	. 22	Wellesley	80
"	"	Leslie	25
22	,,	Queenborough	105
**	==	Ditto Road District.	40
22	"	Glenorchy	32
		•	
${f T}$	OTAL		£2200

These estimates include the cost of nearly all the levelling that will be needed. They shew the cost of completing the plans of the present area to be £2023, and of the eliminated area to be £177. I will guarantee to get the work done for you for these amounts.

I have before explained to you that the total cost would not have been so great if the detail work had been done while the surveyors were on the ground carrying out the work for the skeleton plan. The excess of cost thus occasioned by having to go over the ground again would about balance the difference between my estimate made in February, 1892, of the cost of the entire survey and the actual amount you will have to pay.

If, as I strongly recommend, the survey be continued, I would suggest that that of the parts adjoining the lines of the main sewers should be first undertaken, and then in succession the districts served by the branch sewers in the order in which it will be necessary or desirable to lay them down. In this manner the actual work of draining the Metropolitan District need not be unduly delayed, and the cost of the survey spread over a certain length of time.

I have, &c.

A. MAULT, Consulting Engineer.

Hobart, 22nd May, 1895.

METROPOLITAN DRAINAGE BOARD.

STATEMENT of RECEIPTS and Expenditure for the Year 1894.

1894. February March April June July August Sept.	12. 20. 26. 6. 12. 14. 28.	RECEIPTS. Balance from last Account Leslie Road Trust contribution Mount Stuart ditto Wellesley Road Trust ditto New Town Town Board precept Corporation, Hobart, on account Ditto balance Leslie Road Trust contribution	4 2 7 11 44 200 192	11 18 15 16 0	.0
October Nov.	13. 30.	Glenorchy Municipality precept, 1893. Ditto, 1894.		15 16	2 10
				14	10
1894.	. 10	EXPENDITURE. 168. A. Mault, contract plans	£	s. 0	d. 0
February	14.	169. A. Mault, contract plans	39	ő	0
May	8.	170. T. C. Just, account salary	5	0	0
June	30.	- Interest per Bank Book	$0 \\ 2$	13 4	2 0
July	9. 9.	171. Davies, C. E., printing account	õ		6
	9.	173. H.M. Gaol, messenger's boots	ŏ	3	5
•	9.	173. H.M. Gaol, messenger's boots	2	8	6
•	9.	175. J. Walch and Sons, stationery	3	13	6
	9.	176. James and Butler, bench-mark	$\begin{array}{c} 1 \\ 120 \end{array}$	1 0	0
	10. 14.	177. A. Mault, account survey	120	10	ő
August	1.	179. A. Mault, account survey	100	0	ŏ
Sept.	1.	180. T. C. Just, salary	5	ŏ	ŏ
1	29.	181. A. Mault, account survey	50	0	0
~	2 9.	182. T. C. Just, salary	2		0
Dec.	31.	— Interest as per Bank BookBalance	$0 \\ 125$	$\frac{3}{10}$	$\frac{7}{2}$
	,		 £475	14	10
		Reconciliation with Balance, 31st December, 1894. Balance to carry forward to Credit	£ 125 0		d. 2 6
		Less Cash to Bank	125 0		8
		Bank balance	125	17	0

THOS. C. JUST, Secretary. 9th May, 1895.

Examined and certified to be correct.

J. W. ISRAEL, Auditor-General. 28th May, 1895.