(1) பக்கங்களின் எண்ணிக்கை 48

(2) புதுக்கித் திருப்பிய நாள் 1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(100)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2443	அச்சகம் பலவகை
நாள் :	11 – 9 – 1891	198 /.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

Items 6 and 7 statement

8 - Sheets
+16 Sheets

ஆவண. கா-1—18,006—15-6-87.

(8)

2443/1

11th September 1891, No. 2443 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads,
Civil Works.

Read—the following paper:—

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 31st August 1891, No. 1487.

I have the honour to submit, herewith, for the information of Government, a statement of progress made upon the Madras Harbour Works during the month of July 1891, accompanied by the usual tracing.

Enclosures.

Extract of Proceedings of the Trustees of the Harbour of Madras at a meeting held at the offices of the Board on Friday, the 28th August 1891.

* * * * *

12. Examined statement of progress made upon the Madras Harbour Works during the month of July 1891, together with a tracing.

Recorded and resolved that the report be submitted to Government.

* * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

PROGRESS STATEMENT No. 20.

MADRAS HARBOUR WORKS.

Statement showing progress during July 1891 as shown on accompanying tracings No. 19.

Note.—The figures in *block type* denote for comparison progress and quantity of work done in July 1890.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier.					South Pier.					Railway Lines.				Pallávaram quarries outturn.	Concrete block-making.	Protective works.	Total expenditure in July 1891.
			Rubble base.	Pier head.	Wave-breaker.	Concrete capping.	Base protection.	Rubble base.	Pier head.	Wave-breaker.	Concrete capping.	Base protection.	At works.	At quarries.	Sand line.	Beach improvements.				
		Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Rubble stone deposited from boats	Tons.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..
2	Do. do. from wagons	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**991½** 3,848¾	..
3	Total quantity rubble stone received on works	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**991½** 3,848¾	..	..	..
4	Do. blasted chips do.	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**3,615½** 3,922¾	..	..	..
5	Concrete blocks, set by divers	Number.	..	*Nil.* 12	..	..	..	..	*Nil.* 15	..	..	..	..	..	..	..	..	..	..	..
6	Do. deposited in wave-breaker	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	Do. made for superstructure	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**151** 117	..	..
8	Do. do. pier head	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	*Nil.* 183	..	..
9	Wrought-iron cramp fixed in position	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	Total outturn of concrete	C. yds.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**2,556** 4,828	..	..
11	Advance or progress of completed superstructure	Ry. ft.	..	6¼	..	..	..	..	*Nil.* 6¼	..	..	..	..	..	..	..	..	..	..	..
12	Rubble base protected with concrete	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	Metre gauge, 40 lb. per yard laid new	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	Do. do. relaid or renewed	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	Do. do. taken up	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Broad gauge, 50 lb. per yard laid	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	Do. do. relaid or renewed	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	Do. do. taken up	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	Titan gauge, 75 lb. per yard laid new	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	Do. do. relaid or renewed	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. taken up	„	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work	Rs.	40	3,439	..	..	..	41	3,354	55	..	195	..	..	..	..	9,076	48,566	2,432	67,198

				TONS	CWTS.	QRS.	LB.
Nil casks of cement	received on works during 31st July 1891, containing			..	..	..	..
4,175 do.	issued for	do.	do.	746	1	2	12
11,907½ do.	balance in store at end of	do.	do.	2,139	18	3	0

Quantity due on indents.—Nil.

Madras,
6th August 1891.

(Signed) A. LEE POGSON,
Engineer, Harbour Trust Board.

2443/2

Transferred to the Public Works Department.

Ootacamund,
5th September 1891.

(Signed) J. F. PRICE,
Chief Secretary.

Order—dated 11th September 1891, No. 2443 W., Public Works.

Recorded.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Chairman, Harbour Trust Board.
„ Marine Department.

Exd. A. D. Xavier.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated September, 11th.

Recd. *Encl.*

G.O., 11th Sept. 1891, No. 2443 W.

SEPTEMBER.

Madras Harbour Works

Statement of progress made on the — during July 1891, recorded.

Harbour Trust Board Office,

MADRAS, 31st August 1891.

2443/3

No 1487

1P

From

Ware Austin Esquire, C.S.,
CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

The Honorable J. F. Price, C.S.,
CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

Sir,

I have the honor to submit herewith for the information of Government a statement of progress made upon the Madras Harbour Works during the month of July 1891, accompanied by the usual tracing.

I have the honor to be
Sir
Your obdt. Servant

Chairman
Harbour Trust Board

2443/54

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR OF MADRAS, at a Meeting held at the Offices of the Board on Friday the 28th day of August 1891.

* * 218 *

12. Examined statement of progress made upon the Madras Harbour works during the month of July 1891 together with a tracing.

Recorded and resolved,- that the report be submitted to Government.

* * *

(True Extract,)

Secretary
Harbour Trust Board

HARBOUR TRUST BOARD
31 AUG. 91
MADRAS

Uo

ESS STATEMENT No. 22

2443/6

MADRAS HARBOUR WORKS.

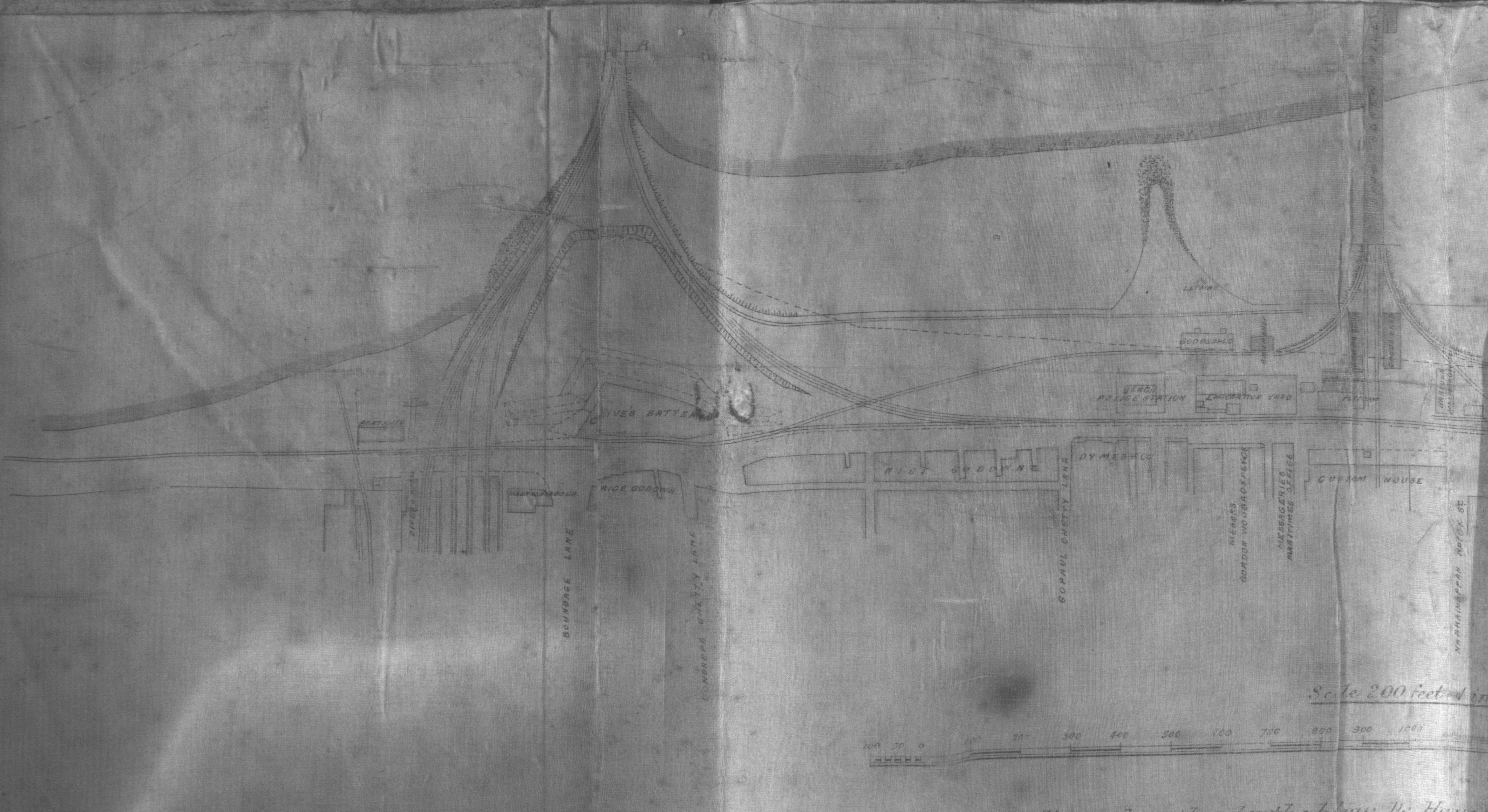
3P

atement showing Progress during *July 1891* shown on accompanying ~~Lithographed Plan~~ *Tracings* No. *19*

		North Pier.					South Pier.					Railway Lines.							
The Figures in red denote for comparison progress and quantity of work done in *July '90*	Sub-heads of Work.	Rubble Base.	Pier Head.	Wavebreaker.	Concrete Capping.	Base Protection.	Rubble Base.	Pier Head.	Wavebreaker.	Concrete Capping.	Base Protection.	At Works.	At Quarries.	Sand Line.	Beach Improvements.	Pallavaram Quarries Outturn.	Concrete Blockmaking.	Protective Works.	Total Expenditure. in *July '91*
Particulars and Quantity of Work, &c.	Column.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
le Stone deposited from boats ... ... Tons ...																			
Do. do. from wagons ... ... ,, ...																		991½ 3848 ¾	
quantity Rubble Stone received on Works ... ,, ...																991½ 3848 ¾			
Do. Blasted Chips do. ... ,, ...																2615½ 3922 ½			
ete. Blocks—Set by Divers ... ... Number ...			nil 12					nil 15											
Do. Deposited in Wavebreaker ... ,, ...																	161 117		
Do. made for Superstructure ... ,, ...																			
Do. do. Pier Head ... ,, ...																	nil 183		
ght Iron Cramp fixed in position ... ,, ...																			
ut-turn of Concrete ... ... Cubic yards.																	2556 4828		
en or progress of completed superstructure ... Ry. feet ...			64					nil 64											
Base protected with Concrete ... ,,																			
Gauge, 40 lbs. per yard laid new ... ,, ...																			
o. do. relaid or renewed ... ,, ...																			
o. do. taken up ... ,, ...																			
Gauge, 50 lbs. per yard laid ... ,, ...																			
do. relaid or renewed ... ,, ...																			
do. taken up ...																			
[illegible]																			
o. do. relaid or renewed ,,																			
o. do. taken up ... ,,																			
nate Expenditure under Sub-heads of Work Rupees ...		40	3439	"	"	"	41	3354	55	"	195	—	—	—	—	9076	48566	2432	67198

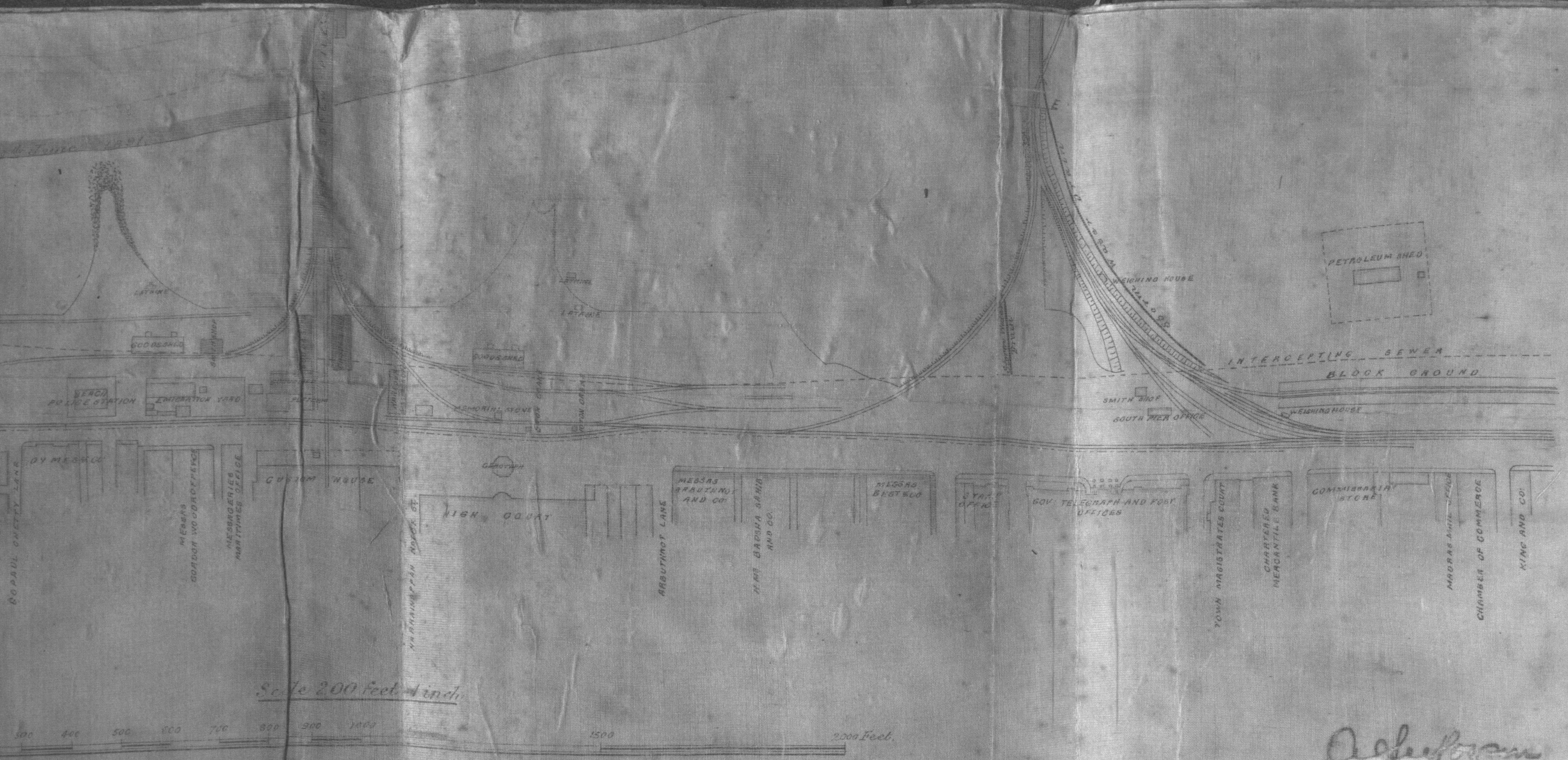
			Tons.	Cwts.	Qrs.	lbs.	Quantity due on Indents.	Tons.	Cwts.	Qrs.	lbs.
Nil	Casks of Cement received on Works during *31st July 1891*	, containing		nil							
4175	Do. do. issued for do.	" " "	746	1.	2.	12	nil		nil		
4,907 ⅛	Do. do. Balance in Store at end of	" " "	2139	18.	3.	0					

Item No.
" "
" "
" "
"
"
"
"
"



Scale 200 feet 1 i

NOTE.- The contour lines shew the depths below the Harb
[illegible] during July [illegible]



Scale 200 Feet 1 inch

lines shew the depths below D. Havilland's Mean Sea Level in Sepr. 1889.

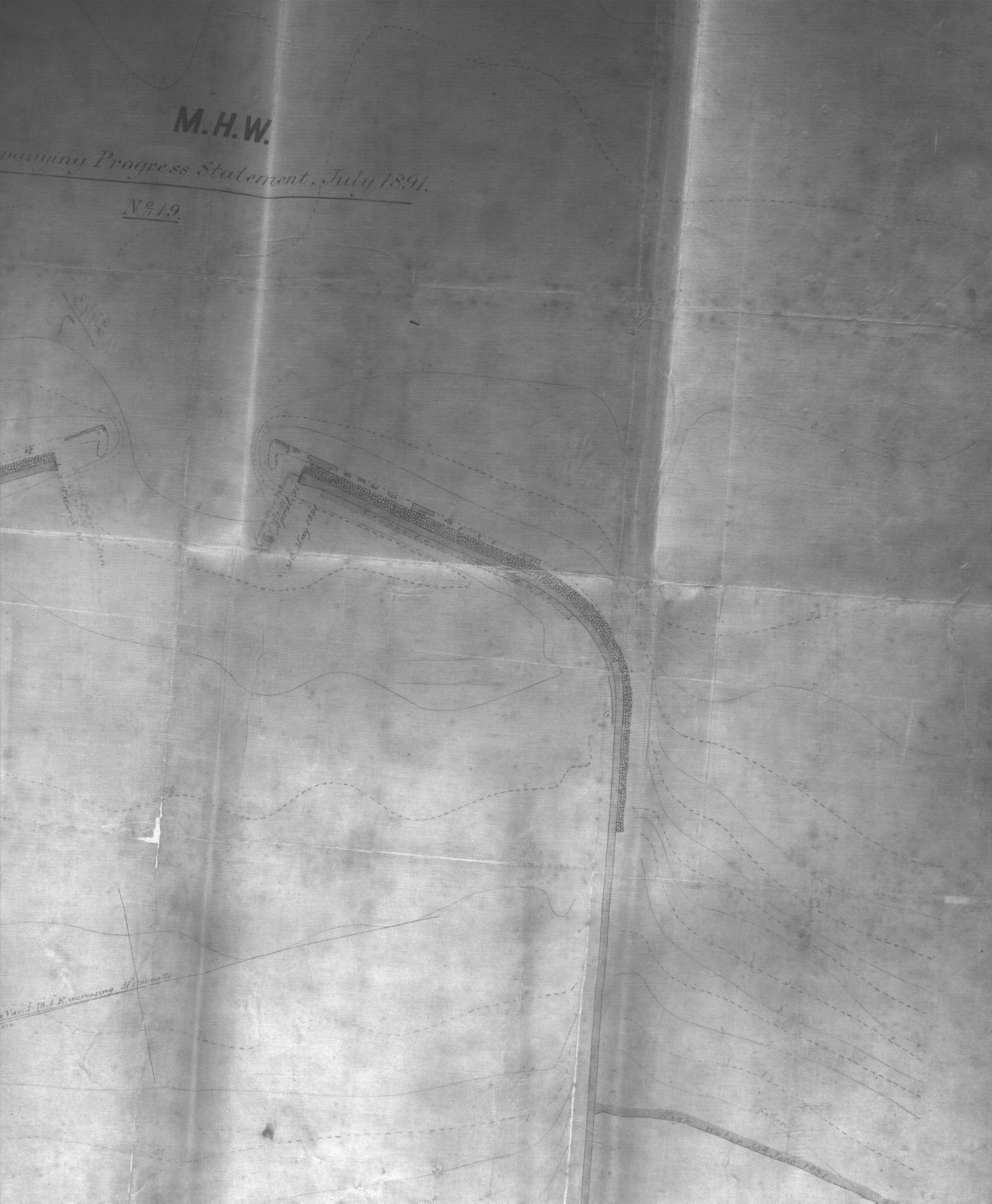
July [illegible]

Engineer
Harbour Trust Board.

M.H.W.

panying Progress Statement, July 1891.

No. 19.


31st March 91
30th April 91
31st May 1891
Var: 1°.19.5' E. increasing 3' annually
1 Fathom
High Water 30th June 1891.
6
7½
5½
8

~~P.C. Current~~

MARINE DEPARTMENT.

13

FROM

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

TO

THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department

DATED 31st August 1891.
RECEIVED 2/9
Recd. 7-9-91
ENCLOSURE 3 - × 1 plan

No. 1487

CHIEF SECRETARIAT 2 SEP 91

SUBJECT.

Submitting for the information of Govt. progress statement on H. Hr. Works during July '91 with plan

Transferred

G.O. 2331 W. d/ 2-10-91
Despatch 12/2331 W. d/ 2-10-91

96678

3 P

Transferred to the Public Works Dept.

Chief Secretary

7 D.B.
3/9

Ootacamund
5th Septr 1891

Ltr 11-9-91
Enc 3 (×1 plan)

No 2443 - d/ 11th Sept 1891.

Recorded

Chairman H. T. Bd.
Marine Dept
23/9/91

LAWRENCE ASYLUM PRESS.

2443/8

③

9667.

1891.

Public Works Department.

Com

14/9/91

No. 2443 C

Dated 11 Sep

Despatched

Received

5773 R

SUBJECT.

Madras Harbour Works
=
Statement of progress made on the — during July/91 [illegible]

10/4

⑱

4/29

5/11/91