(1) பக்கங்களின் எண்ணிக்கை 48

(2) புதுக்கித் திருப்பிய நாள் [illegible] 1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

30

P. W. D. துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2360

அச்சகம்
பலவகை

நாள் : 4—9—1891 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

Items 3 and 4 Statment

8 - Sheets

rf.16 Sheet

ஆவண. கா-1—18,006—15-6-87.

2360
1

4th September 1891, No. 2360 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, 17th August 1891, No. 1358.

I have the honour to submit, herewith, for the information of Government, statement of progress made upon the Harbour Works during the month of June 1891, together with a 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 14th day of August 1891.

* * * * *

11. Read and examined statement of progress made upon the Madras Harbour Works during the month of June 1891, together with tracing.

Recorded and resolved that this report be submitted to Government.

* * * * *

(True Extract.)

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

PROGRESS STATEMENT No. 19.

MADRAS HARBOUR WORKS.

STATEMENT showing progress during June 1891 as shown on accompanying tracing No. 18.

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

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier.					South Pier.					Railway Lines.				Pallavaram quarries outturn.	Concrete block-making.	Protective works.	Total expenditure in June 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	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**2,525¼** 7,496	..
3	Total quantity rubble stone received on works	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**2,554¼** 7496	..	..	..
4	Do. blasted chips do.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**5,202½** 3,235½	..	..	..
5	Concrete blocks, set by divers	Number.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Do. deposited in wave-breaker	"	..	..	**44** 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	Do. made for superstructure	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**128** 48	..	..
8	Do. do. pier head	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**Nil.** 199	..	..
9	Wrought-iron cramp fixed in position	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	Total outturn of concrete	C. yds.	..	..	..	**80** 58⅔	..	..	..	..	**50** 22½	..	..	..	..	..	..	3,722½	..	..
11	Advance or progress of completed superstructure	Ry. ft.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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	"	..	684	..	..	..	..	1,218	..	..	..	..	..	240	..	..	..	..	..
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.	195	2,453	372	1,075	..	255	3,256	543	474	130	..	..	..	..	12,388	37,506	3,672	62,319

							TONS	CWTS.	QRS.	LB.
Nil	casks of cement	received on works during	June 1891,	containing			..	..	..	..
3,441⅓	do.	issued for	do.	do.		do.	614	9	3	7
16,162⅓	do.	balance in store at end of	do.	do.		do.	2,886	0	1	12

Quantity due on indents.—Nil.

MADRAS,
4th August 1891.

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

2360/2

Transferred to the Public Works Department.

OOTACAMUND,
21st August 1891.

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

ORDER—dated 4th September 1891, No. 2360 W., Public Works.

Recorded. The attention of the Chairman, Harbour Trust Board, is invited to G.O., No. 1062 W., dated 18th April 1889, under which the report for each third month of the year embraces the previous quarter. The report for the quarter ending 30th June 1891 having already been submitted, a separate report for the last month of the quarter is unnecessary.

(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, 4th.

Recd. *Encl.*

G.O., 4th Sept. 1891, No. 2360 W.

SEPTEMBER.

Madras Harbour Works

Statement showing progress made in June 1891 on the —, recorded with remarks.

Harbour Trust Board Office,
MADRAS, 17' August 1891.

2360/53

No. 1358

From
Ware Austin Esqr. 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 honour to submit herewith for the information of Government statement of progress made upon the Harbour works during the month of June 1891 together with a tracing.

I have the honour to be
Sir
Your obedient servant
Chairman
Harbour Trust Board

The report for the quarter ending 30th June has been printed and is about to issue to the S. of State
31-VIII-91

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR OF MADRAS, at a Meeting held at the Offices of the Board on Friday the 14 day of August 1891.

2360/64

× × ×

11. Read and examined Statement of progress made upon the Madras Harbour works during the month of June 1891 together with tracings.

Recorded and resolved that this report be submitted to Government.

× × ×

True Extract

HARBOUR TRUST BOARD,
17 AUG. 91
MADRAS

C. Vincent

Secretary
Harbour Trust Board

A.F.C.

MADRAS HARBOUR WORKS.

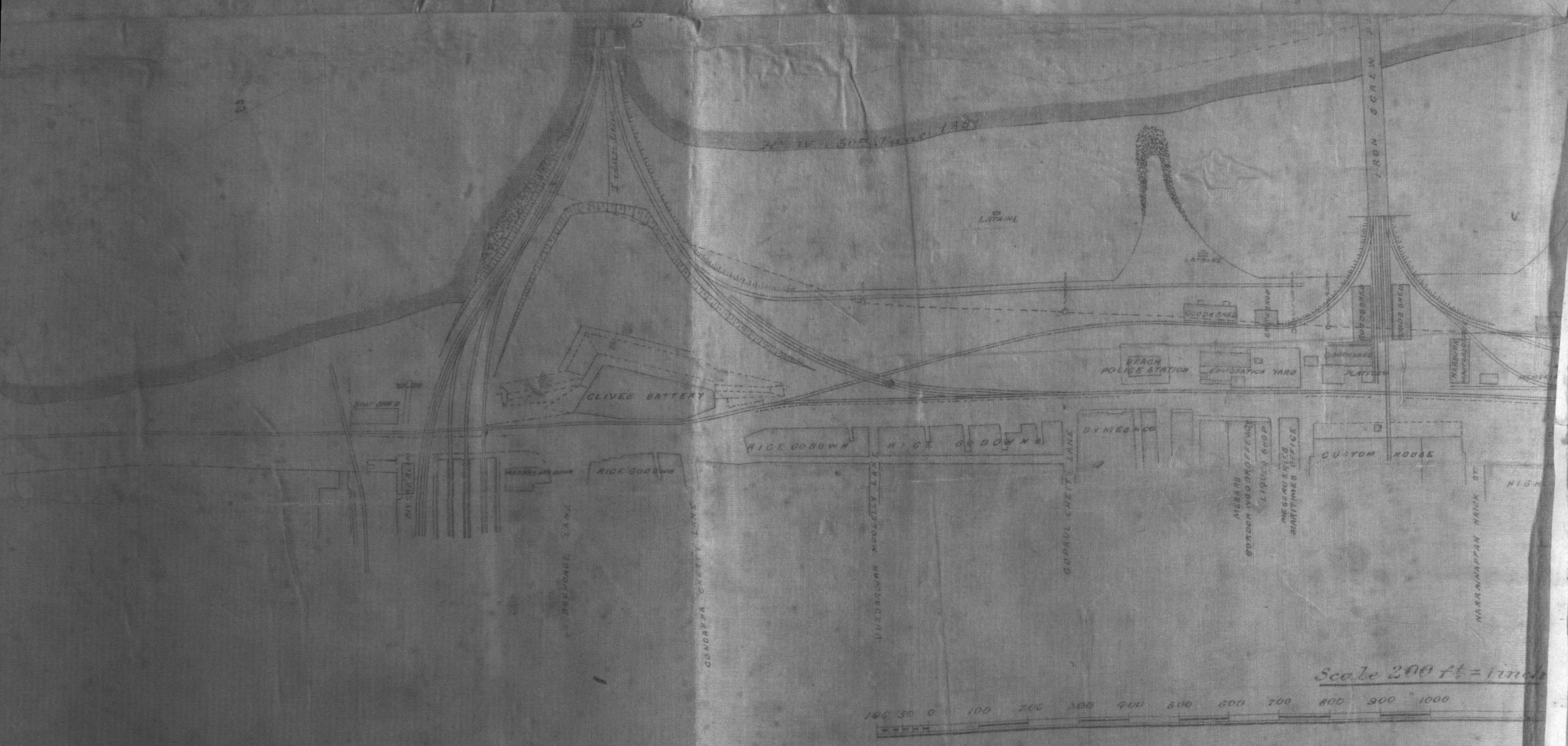
Statement showing Progress during June 1891 *as shown on accompanying* ~~Lithographed Plan~~ Tracing *No.* 18

Note.—The Figures in red denote for comparison progress and quantity of work done in June 1890

No. of Item.	Particulars and Quantity of Work, &c.	Sub-heads of Work. / Column.	North Pier. Rubble Base. A	North Pier. Pier Head. B	North Pier. Wavebreaker. C	North Pier. Concrete Capping. D	North Pier. Base Protection. E	South Pier. Rubble Base. F	South Pier. Pier Head. G	South Pier. Wavebreaker. H	South Pier. Concrete Capping. I	South Pier. Base Protection. J	Railway Line. At Works. K	Railway Line. At Quarries. L	Railway Line. Sand Line. M	Beach Improvements. N	Pallavaram Quarries Outturn. O	Concrete Blockmaking. P	Protective Works. Q	Total Expenditure. June 1891 R
1	Rubble Stone deposited from boats	Tons																		
2	Do. do. from wagons	„																	2525½ 7496	
3	Total quantity Rubble Stone received on Works	„															2554¼ 7496			
4	Do. Blasted Chips do.	„															5202½ 3235½			
5	Concrete Blocks—Set by Divers	Number																		
6	Do. Deposited in Wavebreaker	„			47													128 48		
7	Do. made for Superstructure	„																		
8	Do. do. Pier Head	„																Nil 199		
9	Wrought Iron Cramp fixed in position	„																		
10	Total out-turn of Concrete	Cubic yards.				80 58¾					50 22½							3422½		
11	Advance or progress of completed superstructure	Ry. feet																		
12	Rubble Base protected with Concrete	„																		
13	Metre Gauge, 40 lbs. per yard laid new	„																		
14	Do. do. relaid or renewed	„																		
15	Do. do. taken up	„																		
16	Broad Gauge, 50 lbs. per yard laid	„													240					
17	Do. do. relaid or renewed	„		684					1218											
18	Do. do. taken up	„																		
19	Titan Gauge, 75 lbs. 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	Rupees	195	2453	372	1075	-	355	3256	543	474	130	-	-	x	-	12383	37,500	3672	63,319

				Tons.	Cwts.	Qrs.	lbs.	Quantity due on Indents.	Tons.	Cwts.	Qrs.	lbs.
Nil	Casks of Cement received on Works during	June 1891	containing	Nil								
3441⅛	Do. do. issued for do.	"	"	61	9	3	7	Nil	Nil			
16,162⅛	Do. do. Balance in Store at end of	"	"	2855	0	1	12					

Column. Item No.
„ „ „
„ „ „
„ „ „

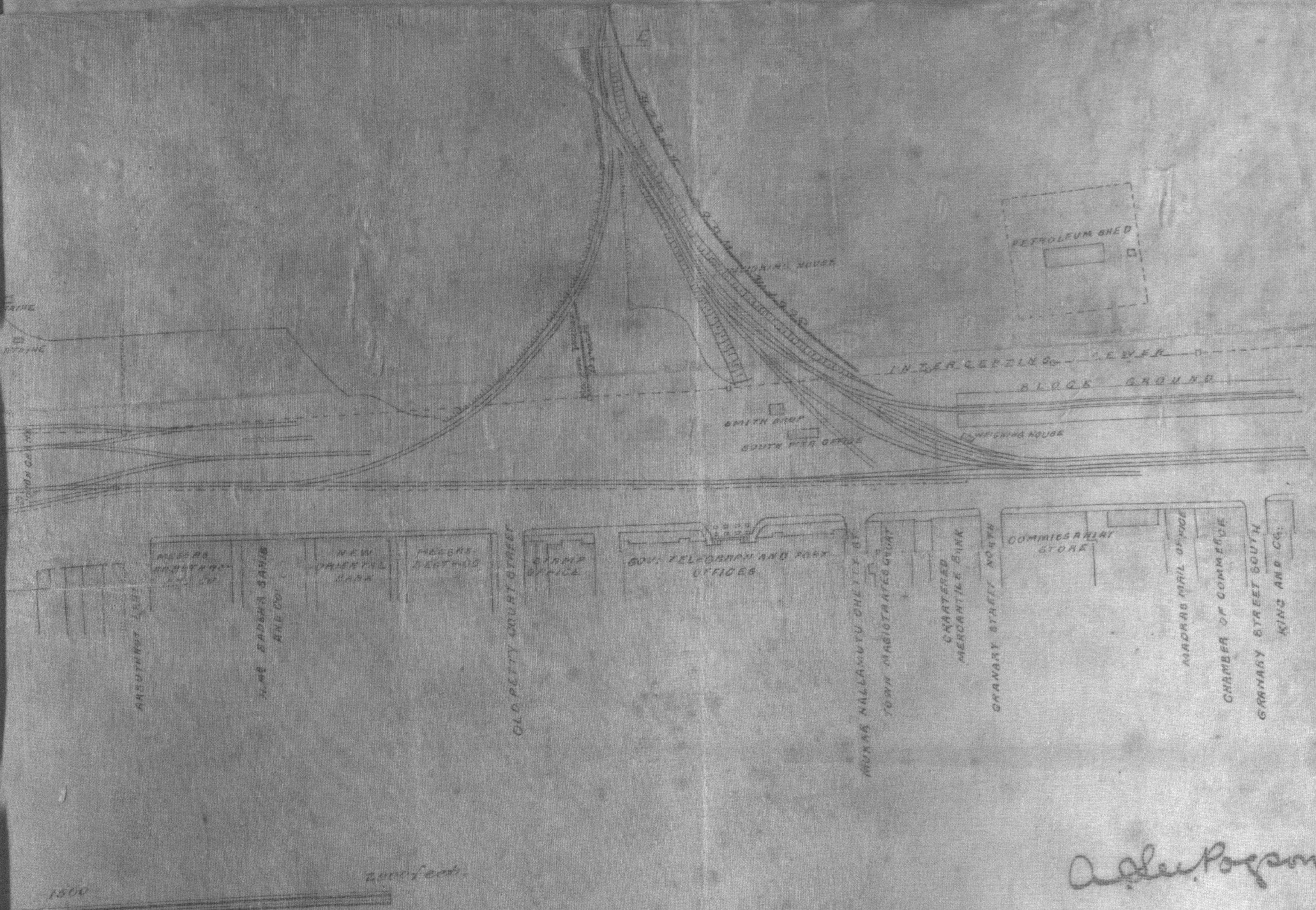


Scale 200 ft = 1 inch

NOTE._The Contour lines show the depths below De Havill

Progress in June nill.

23606



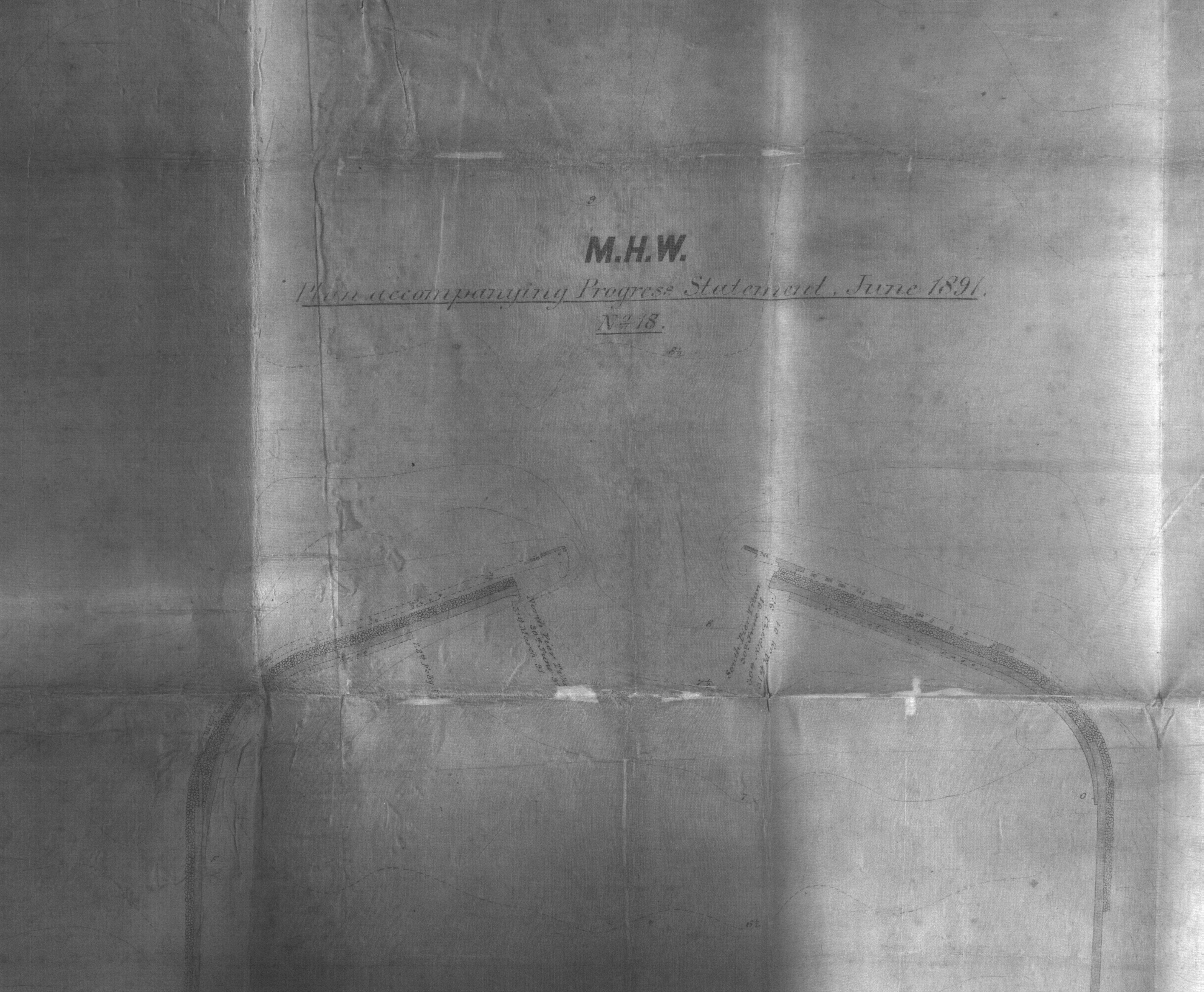
Mean Sea Level in Sepr 1889.

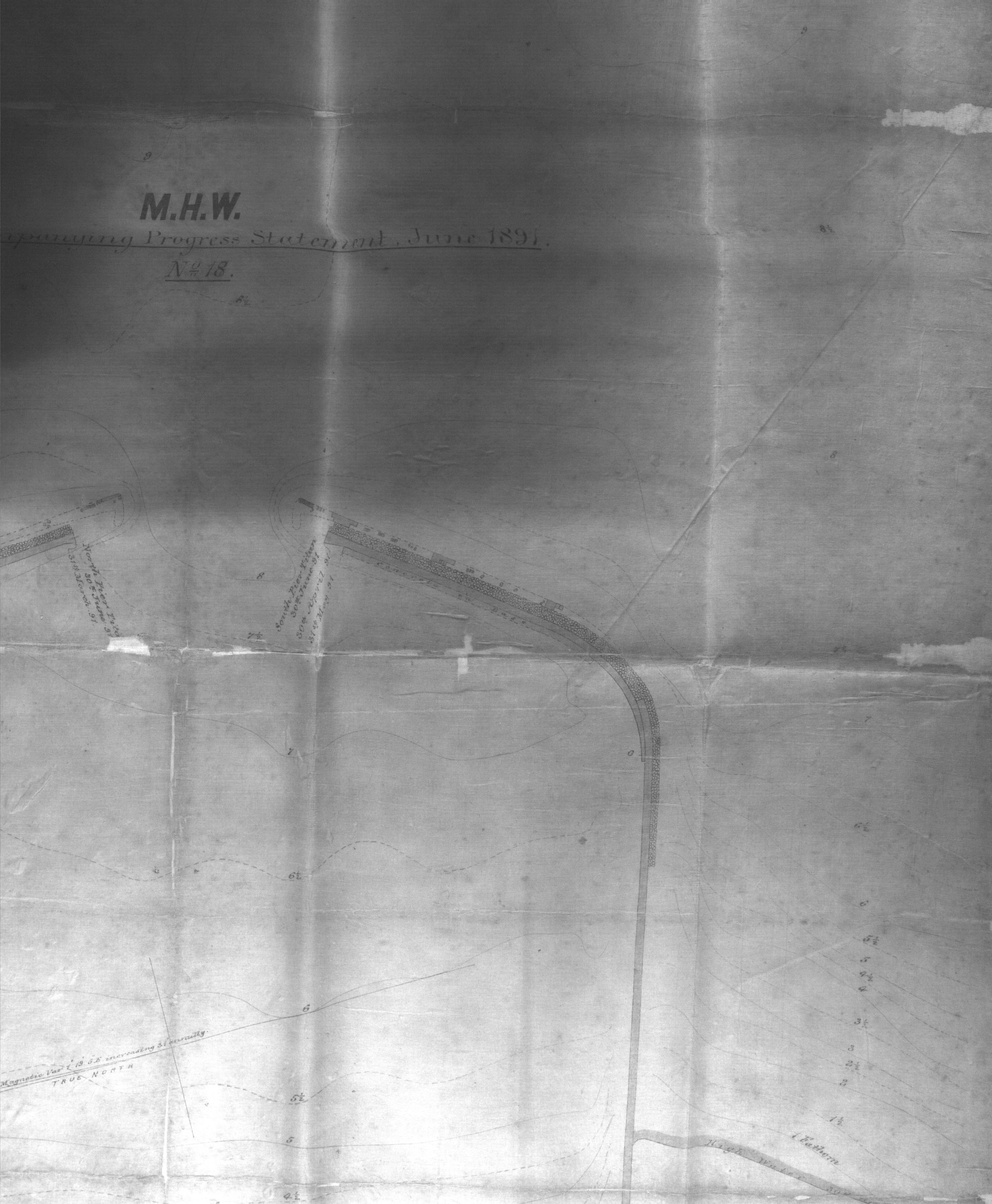
Engineer.
Harbour Trust Board.

M.H.W.

Plan accompanying Progress Statement, June 1891.

No. 18.





M.H.W.

panying Progress Statement, June 1891.

No. 18.

1 Fathom
High Water
South Pier Piles
30th June 91
31st April 91
North Pier Piles
30th June 91
31st March 91
TRUE NORTH
0
1½
2
2½
3
3½
4
5
6
6½
7
7½
8

MARINE DEPARTMENT.

P.W. Current

P. W. CURRENT No. 9372

FROM

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

TO

THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department

DATED 17th } August 1891.
RECEIVED

ENCLOSURE

No. 1358

Enclo: 3

CHIEF SECRETARY TO GOVERNMENT
19 AUG 91

SUBJECT.

Submitting for the information of Govt. progress statement of M. H. Works for June 1891.

G.O. 1062W d/18. iv. 89
Despatch 13/2508W d/ 19. ix. 90
G.O. 2508W " 19. ix. 90
" 2006W " 24. vii. 91

Transferred.

LAWRENCE ASYLUM PRESS.

Ch. 2 1773

Transferred to the Public Works dept.

Chief Secretary.

7813/2018

Date communicated } 21st August 1891 }

4.9.91

B.P. civil Works

No. 2360 W of 4 Sept 1891

Recorded. The attention of the Chairman, Harbour Trust Board, is invited to G.O. 1062 W dated 18th April 1889 under which the report for each third month of the year embraces the previous quarter. The report for the quarter ending 30th June 1891 having already been submitted, a separate report for the last month of the quarter is unnecessary.

The Chairman H.T.Bd.
" Marine Dept.

31-viii

M 2.18

1577

2360/8

13/2

1890.

Public Works Department.

No.

Dated

Despatched

Received

4th Sept 1891 to 23 Oct.

SUBJECT.

Road Works

Statement showing progress made in June 1891 on the — Recorded with remarks.

(98)

65/4

Dec 4/91 3/29