

SKETCH MAP DENOTING THE WATER-SHED: - BASIN:- OR
DRAINAGE-AREA OF THE RIVER DOURO.



PLAN DENOTING SITE OF THE PROPOSED MOLE OR BREAKWATER.

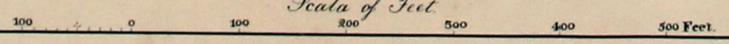
COPIED FROM THE ORIGINAL CHART.

North



Note The Soundings are expressed in feet and inches (English)

Scale of Feet



ASSIGNADO = WILLIAM YATES FREEBODY.

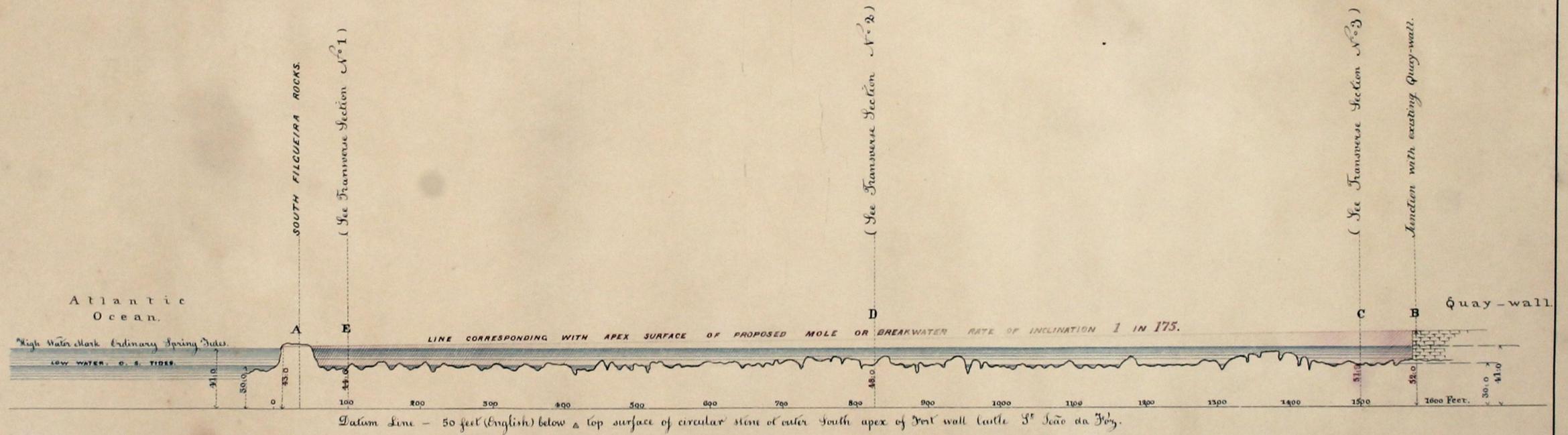
South

COPIADA POR E. A. BETTENCOURT.

LONGITUDINAL SECTION OF MAIN BREAKWATER.

from A to B on Plan.

Horizontal Scale 100 feet to an Inch (English)
 Vertical " 50 " " " " (")

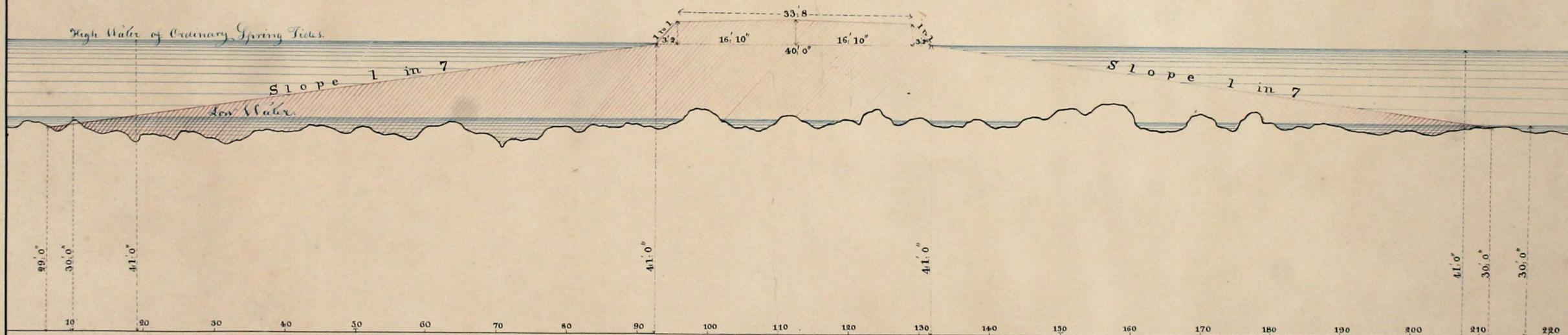


TRANSVERSE SECTION OF MAIN BREAKWATER.

N^o 1

at Point E. on Plan

Horizontal and Vertical Scale 10 feet to an Inch (English)



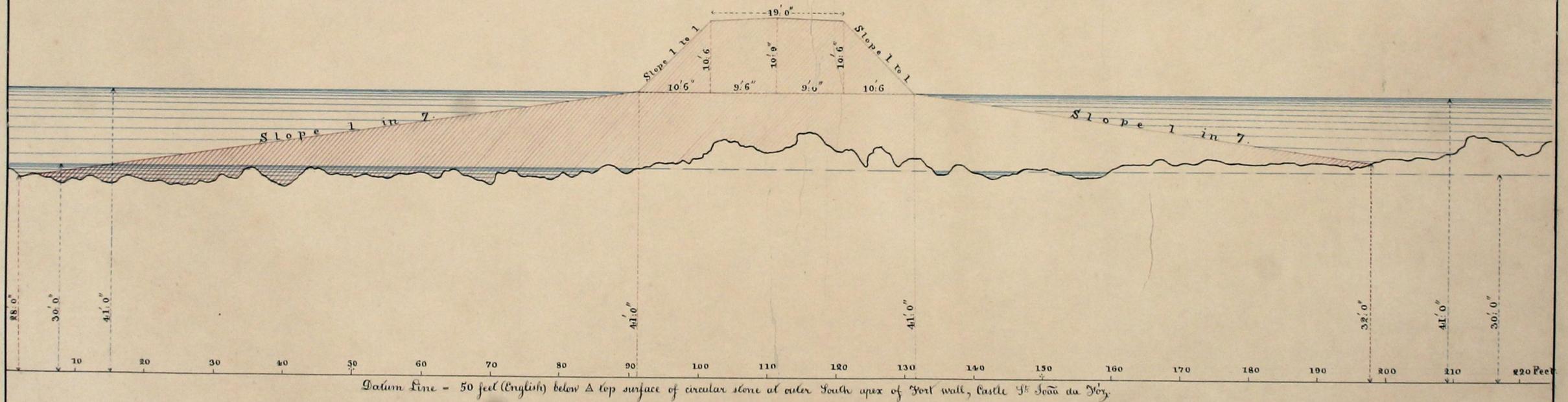
Datum Line = 50 feet (English) below Δ top surface of circular stone at outer South apex of Vert wall, Castle S^{te} Jo^{se} da For.

TRANSVERSE SECTION OF MAIN BREAKWATER.

N^o 3.

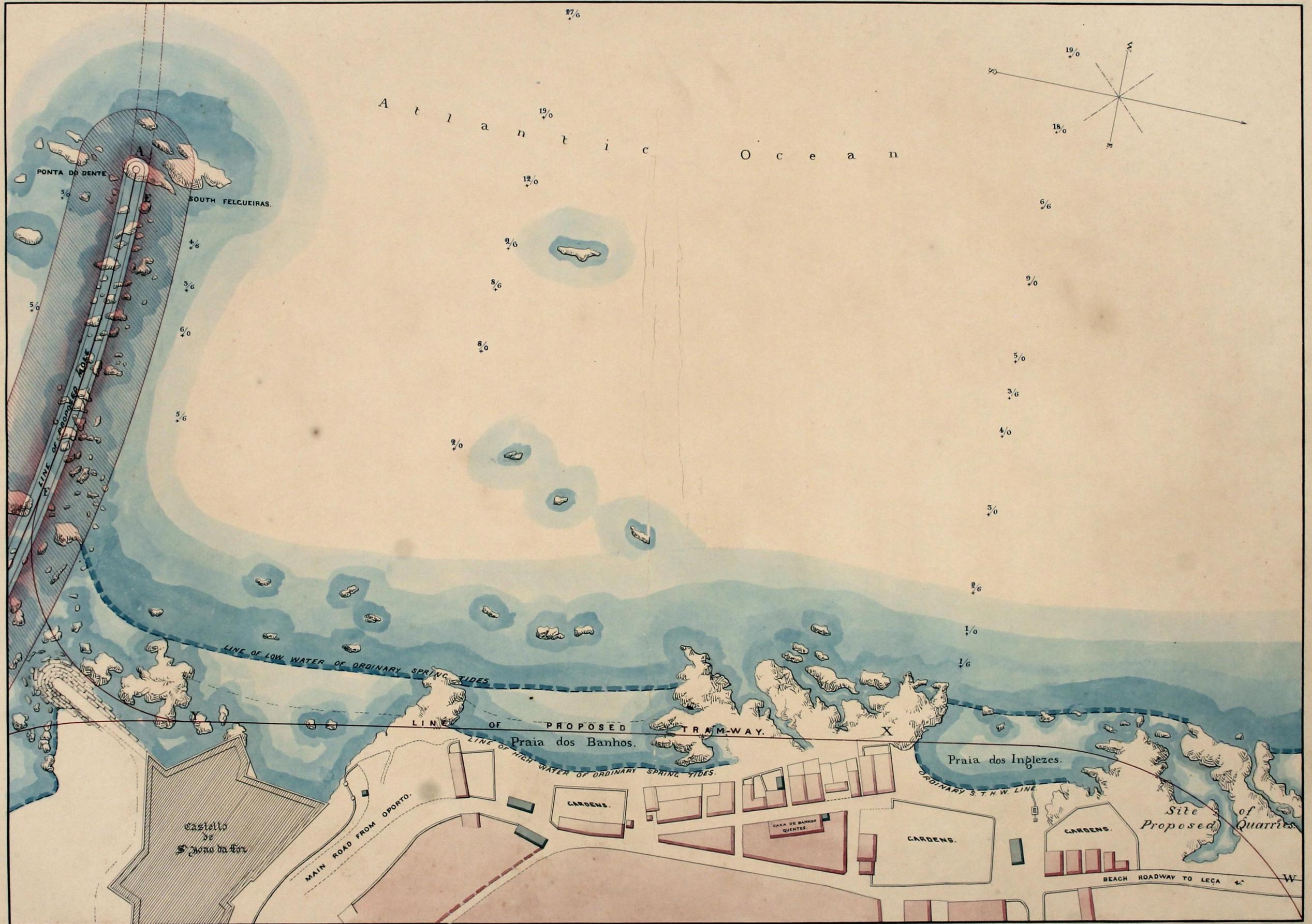
Horizontal and Vertical Scale = 10 feet to an Inch (English).

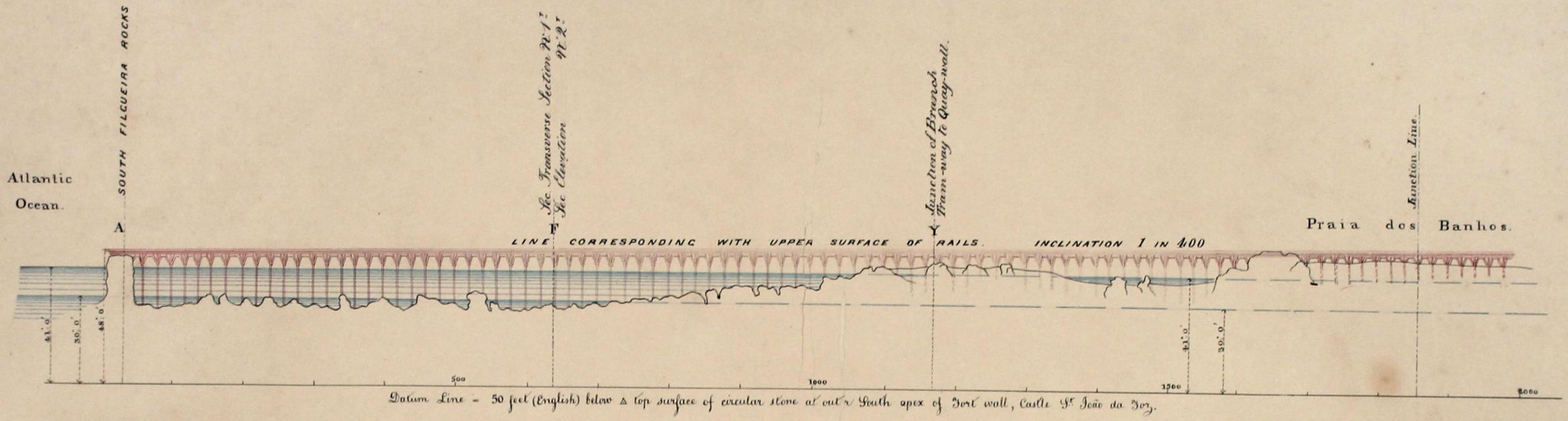
at Point C on Plan.



PLAN DENOTING COURSE OF THE PROPOSED LINE OF TRAM-WAY.

COPIED FROM THE ORIGINAL CHART.

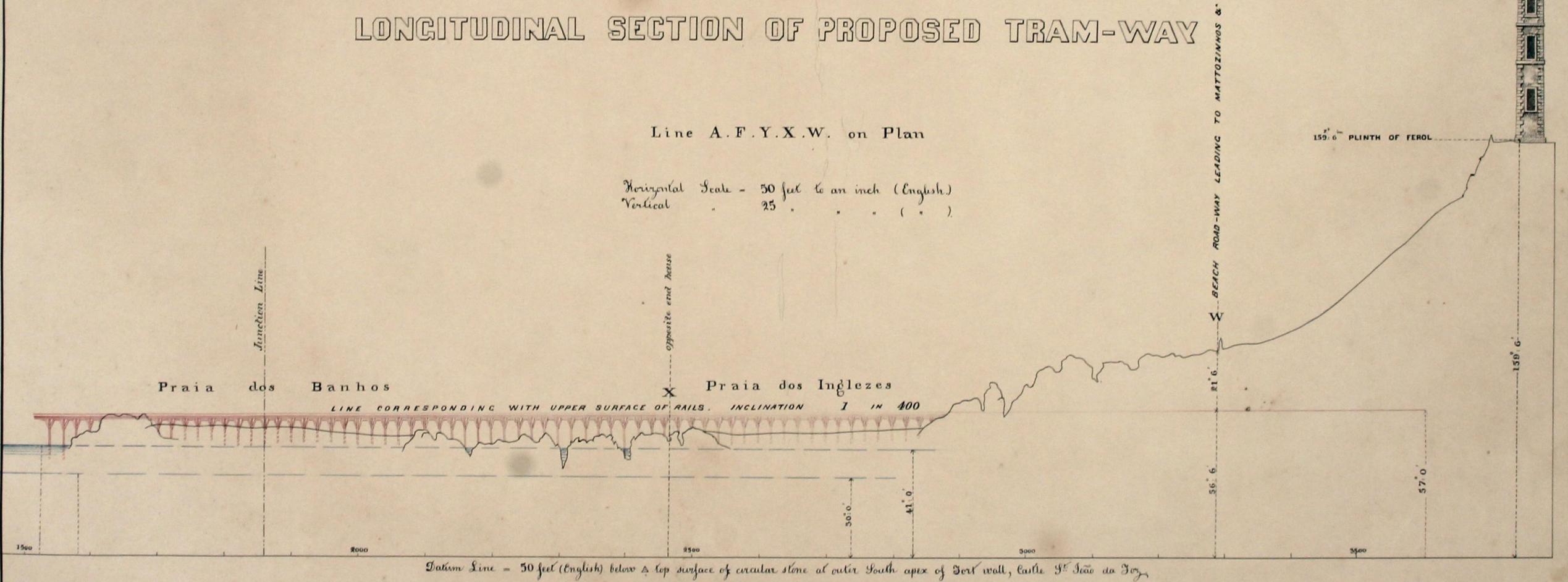




LONGITUDINAL SECTION OF PROPOSED TRAM-WAY

Line A.F.Y.X.W. on Plan

Horizontal Scale - 50 feet to an inch (English)
Vertical " 25 " " " (")

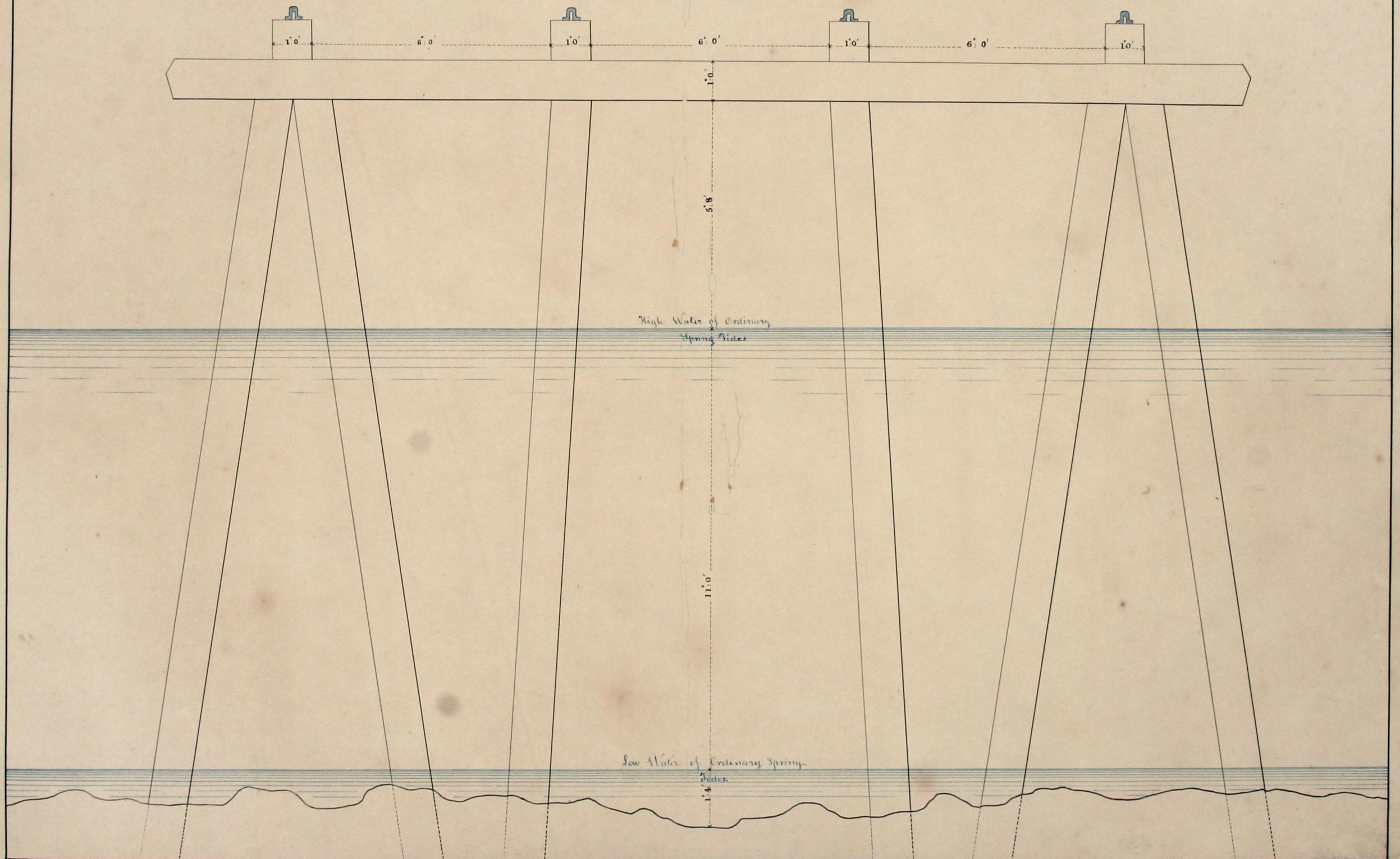


SKETCH OF TIMBER PLANTEORM STAGING FOR PROPOSED TRAM-WAY.

TRANSVERSE SECTION Nº 1

at Point F. on Plan and Section.

Scale - 3 feet to 2 inches (English).

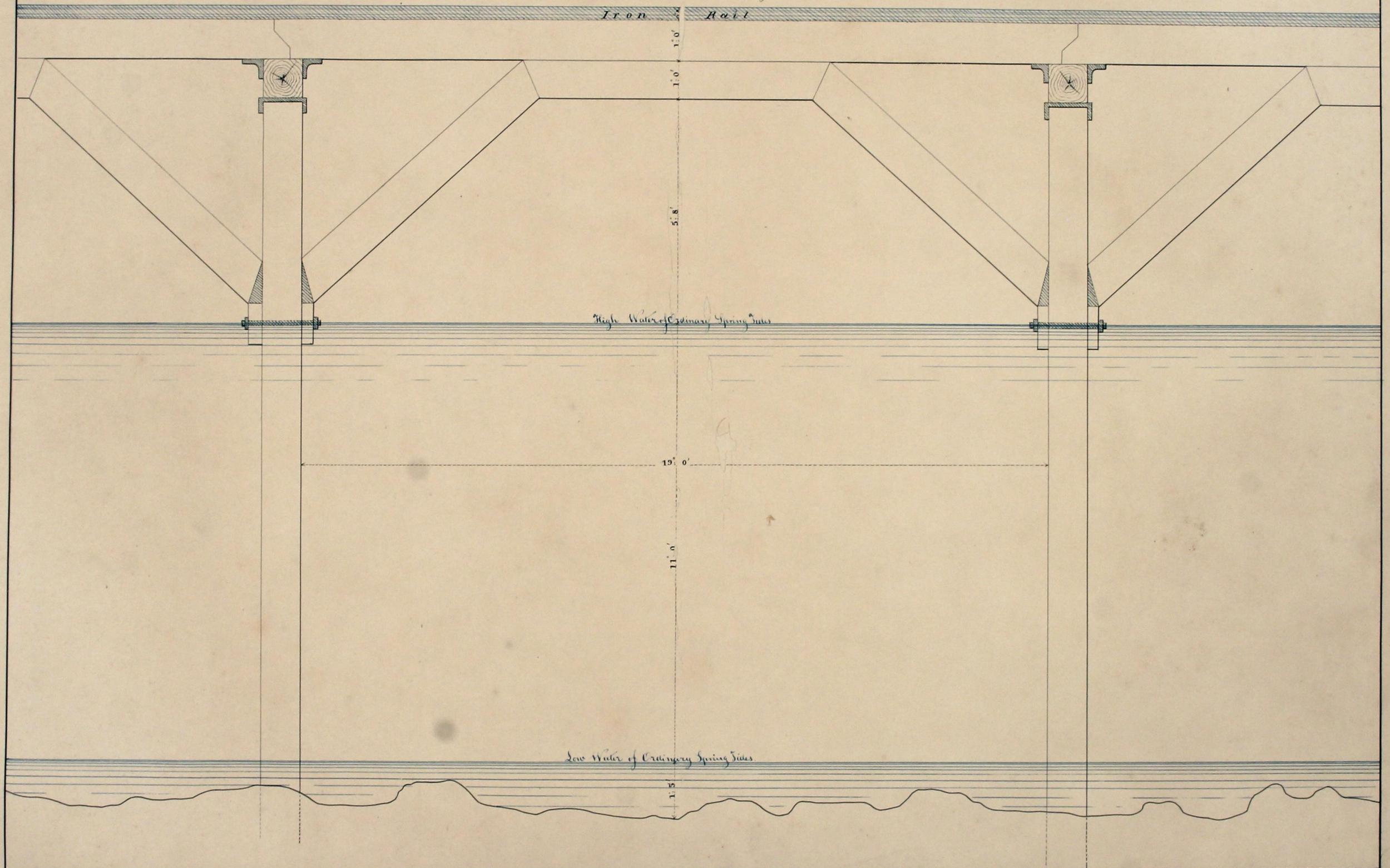


SKETCH TIMBER PLANTFORM STAGING FOR PROPOSED TRAM-WAY.

ELEVATION N^o. 2.

at Point F. on Plan and Section.

Scale - 3 feet to 2 inches (English).



N o r t h.

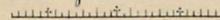


SKETCH MAP DENOTING

the position of the proposed Harbour of Refuge :
 off
LEÇA AND MATTOZINHOS
 of the line of Railway Communication with the City of
O PORTO.

1854.

Scale - 1500 feet to one inch (English).



W e s t.

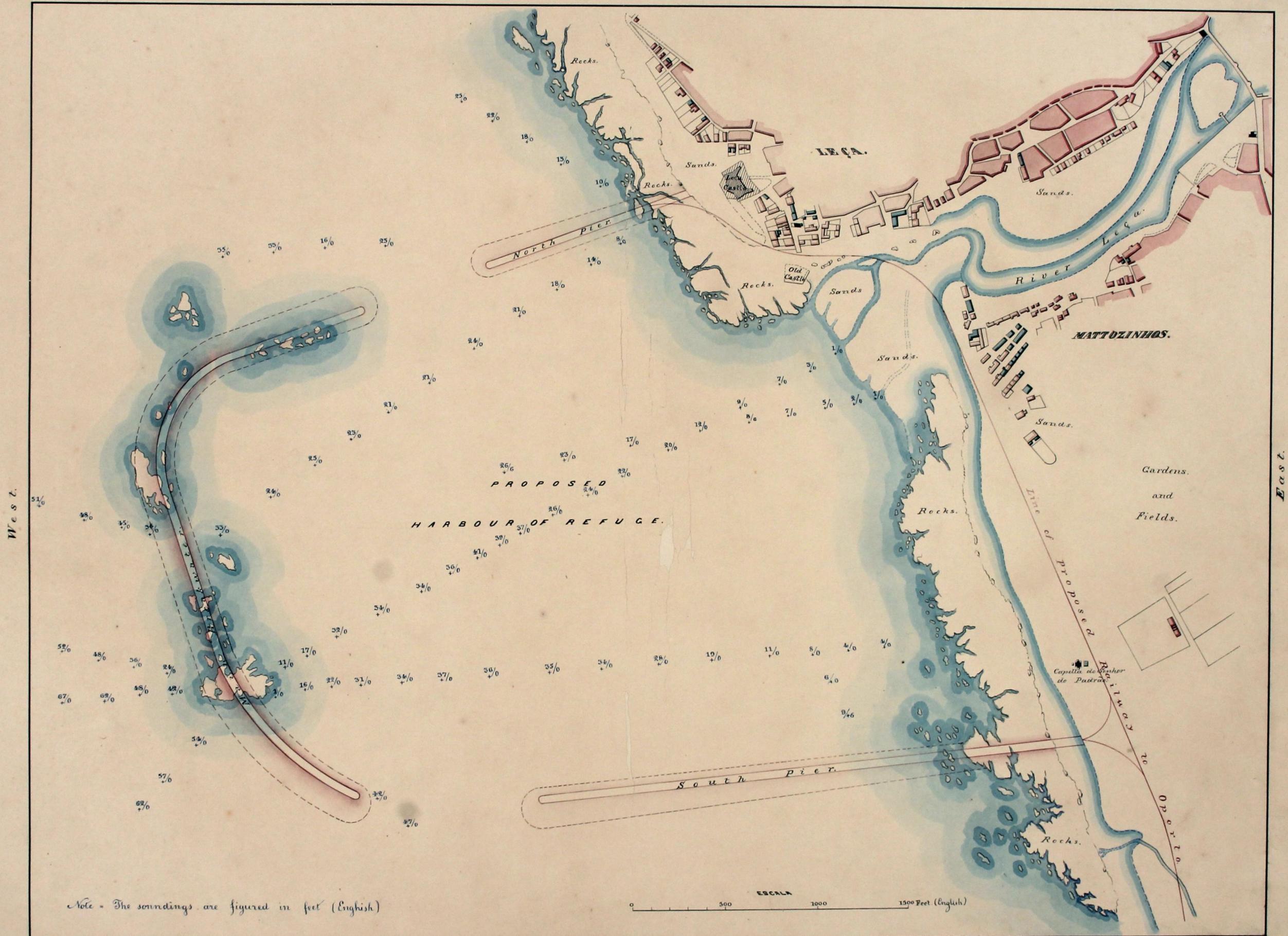
E a s t.

S o u t h.

PLAN OF PROPOSED HARBOUR OF REFUGE.

North.

REDUCED FROM THE ORIGINAL CHART.



Note - The soundings are figured in feet (English)

ESCALA
0 500 1000 1500 Feet (English)

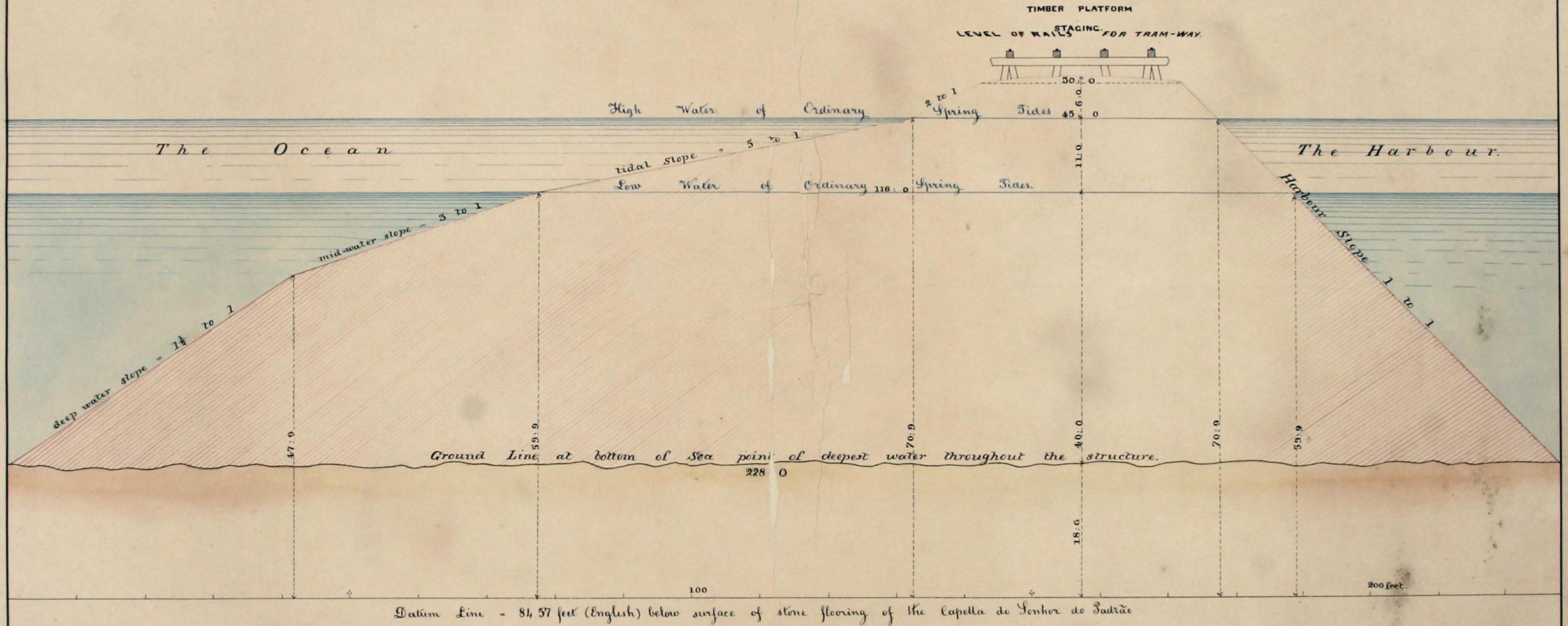
South.

TRANSVERSE SECTION FOR PROPOSED BREAKWATER PIERS.

Et c.

Denoting the slopes at every required depth throughout these works.

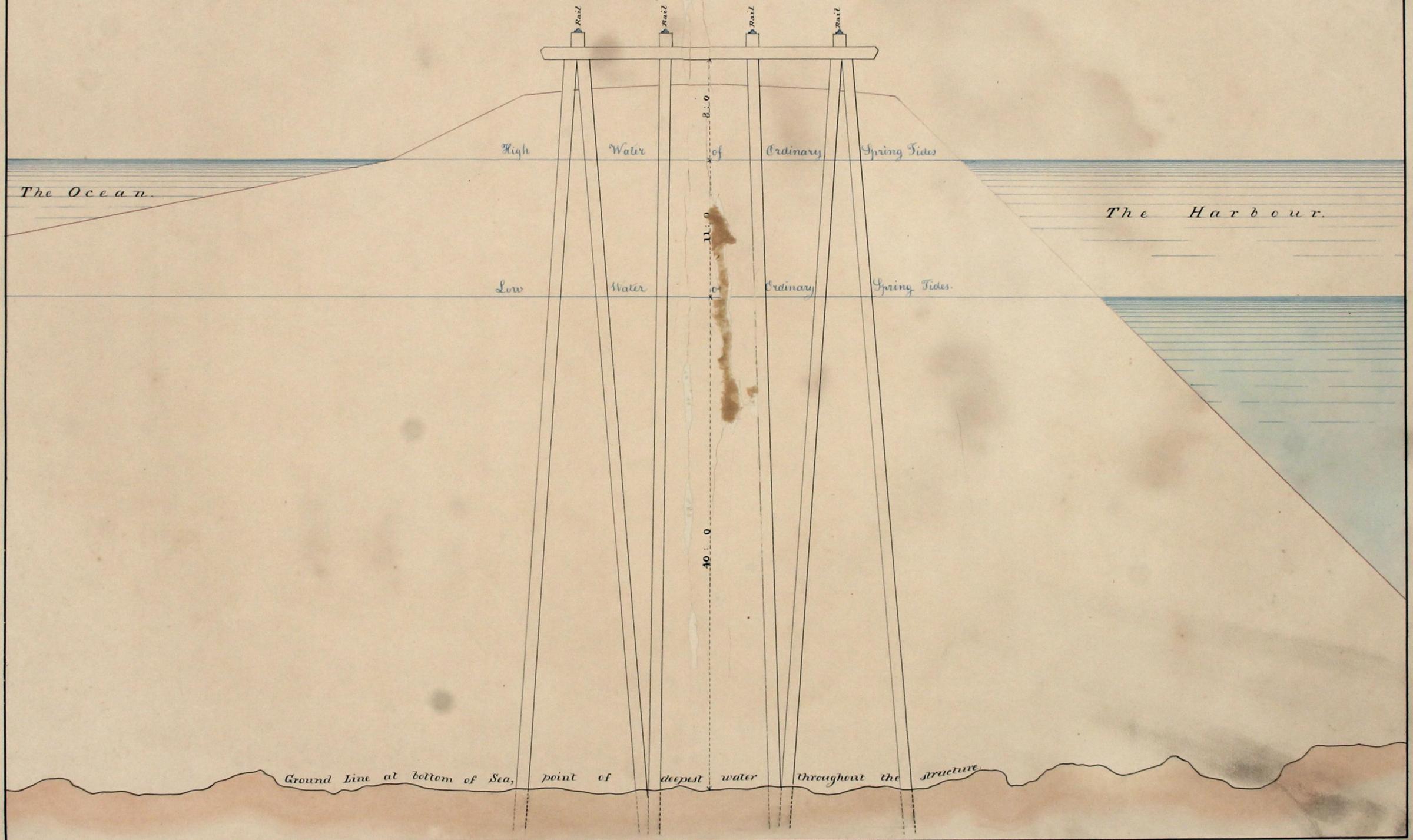
Scale Horizontal and Vertical each 10 feet to one inch (English.)



SKETCH OF TIMBER PLATFORM STAGING FOR MAIN BREAKWATER, &

TRANSVERSE SECTION.

at Point B or Chart, and Section.
point of deepest water throughout the structure -
Scale 5 feet to one inch (English)



SKETCH OF TIMBER PLATFORM STAGING FOR MAIN BREAKWATER, &

ELEVATION

at Point B. on Chart, and Section

point of deepest water throughout the structure

Scale 5 feet one inch (English)

