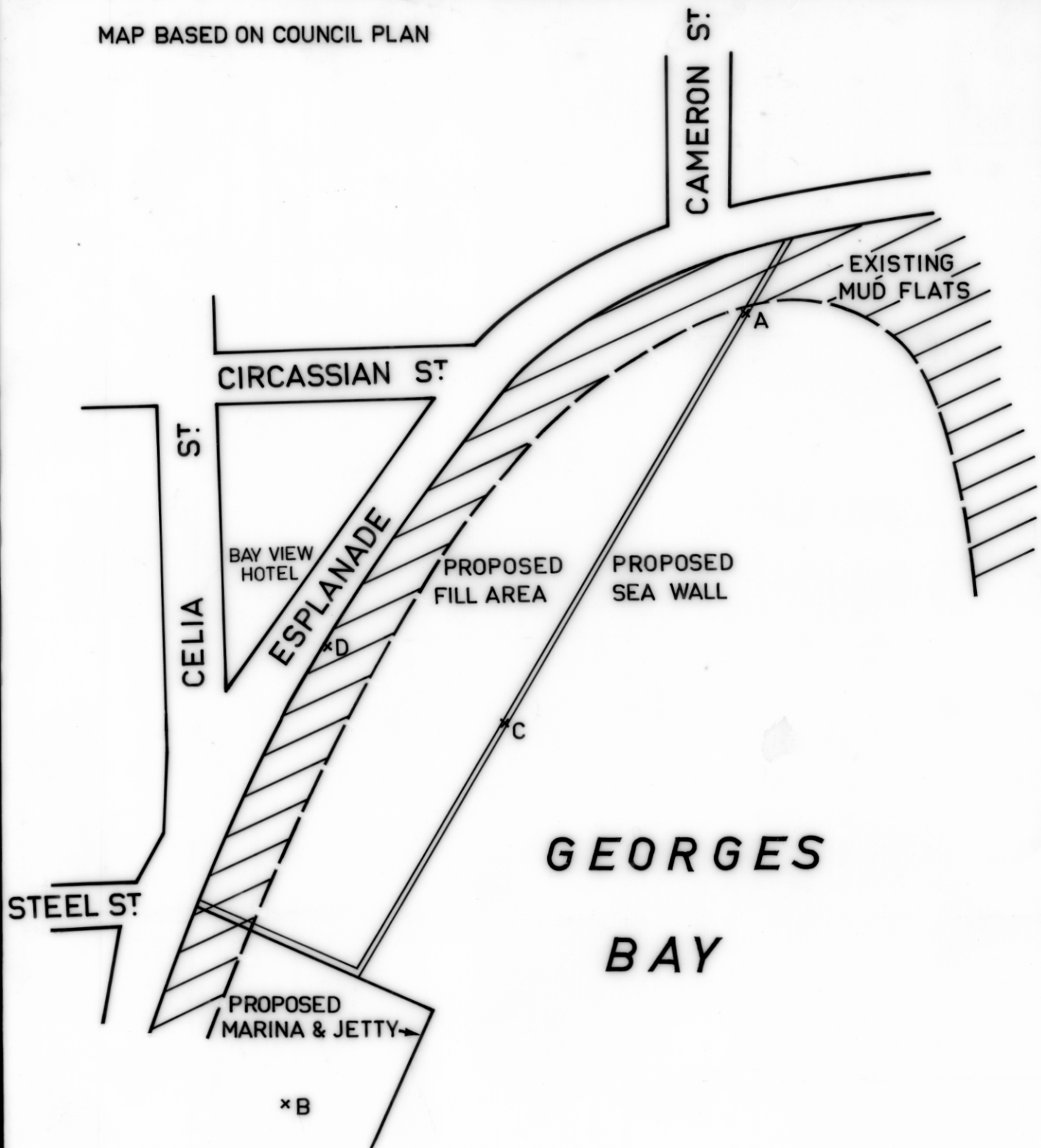


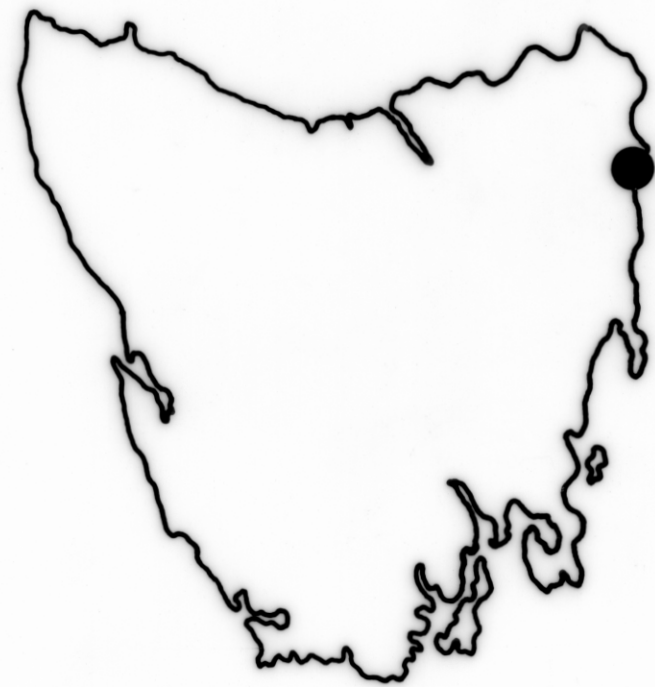
5 cm

MAP BASED ON COUNCIL PLAN



SEISMIC SURVEY PROPOSED FORESHORE DEVELOPMENT ST HELENS

GEOPHYSICIST :-D. E. LEAMAN



DRAWN :- H. MACKINNON

JULY 1972

0 50 100 M.

TYPICAL PROFILES

NE. SW.
A C JETTY B

WATERSATURATED SAND, SILT : $V_0 = 1450\text{m/sec.}$ WATER : $V_0 = 1450\text{m/sec.}$

CLAY : $V_1 = 1675\text{m/sec.}$ WEATHERED GRANITE : $V_1' = 2400\text{m/sec.}$

GRANITE : $V_2 > 3600\text{m/sec.}$

CLAY : $V_1 = 1700\text{m/sec.}$

WALL LINE PROFILE

E D W
ESPLANADE
FILL : $V_0 = 400-700\text{m/sec.}$

WATER : $V_0 = 1400\text{m/sec.}$
SATURATED SAND, SILT : $V_0 = 1400\text{m/sec.}$

CLAY : $V_1 = 1800\text{m/sec.}$

Clay migration upper layers only.
Effect may include consolidation.

Possible positions prior to filling.

WEATHERED GRANITE $V_2 = 2000-2300\text{m/sec.}$

0 100 M.

CROSS PROFILE : JETTY

0 50 M.

HORIZONTAL SCALE

VERTICAL SCALE