Map 1 of 2

TIDAL DATUM

Datum Plane	Elevation in feet referred to M.L.L.W. Bellingham(1)	Chuckanut Bay(2)
Highest Tide	11.50(3)	11.50(3)
Mean Higher High Water	8.60	8.40
Mean High Water	7.80	7.70
Mean (Half) Tide Level	5.20	5.10
Mean Sea Level (1929 G.A.)(5)	4.89	4.80(4)
Mean Low Water	2.60	2.50
Mean Lower Low Water	0.00	0.00
Lowest Tide	-4.50(3)	4.50(3)
U.S.E.D. Datum	0.14	

(1) Based on one year (September 1934 - August 1935) of automatic gage operation by U.S. Coast & Geodetic Survey.
(2) Based on 56 high and low waters (July 23-August 20, 1888) observed by U.S. Coast & Geodetic Survey.
(3) Estimated
(4) Approximate.
(5) M.S.L. (1929 G.A.) connection by U.S.C.&G.S. in 1915.

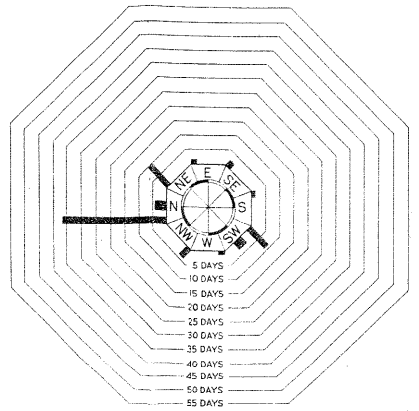
EXISTING PROJECT

SQUALICUM CREEK WATERWAY

Channel 200 ft. wide, 26 ft. deep (A)
Westerly end of waterway, 26 ft. deep (B)
Easterly part of waterway, 26 ft. deep (C)
Breakwater 1400 ft. long, to a crest height of 14 ft. (D)

WHATCOM CREEK WATERWAY

Channel 363.2 ft. wide, 26 ft. deep (E)
Channel 363.2 ft. wide, 18 ft. deep (F)

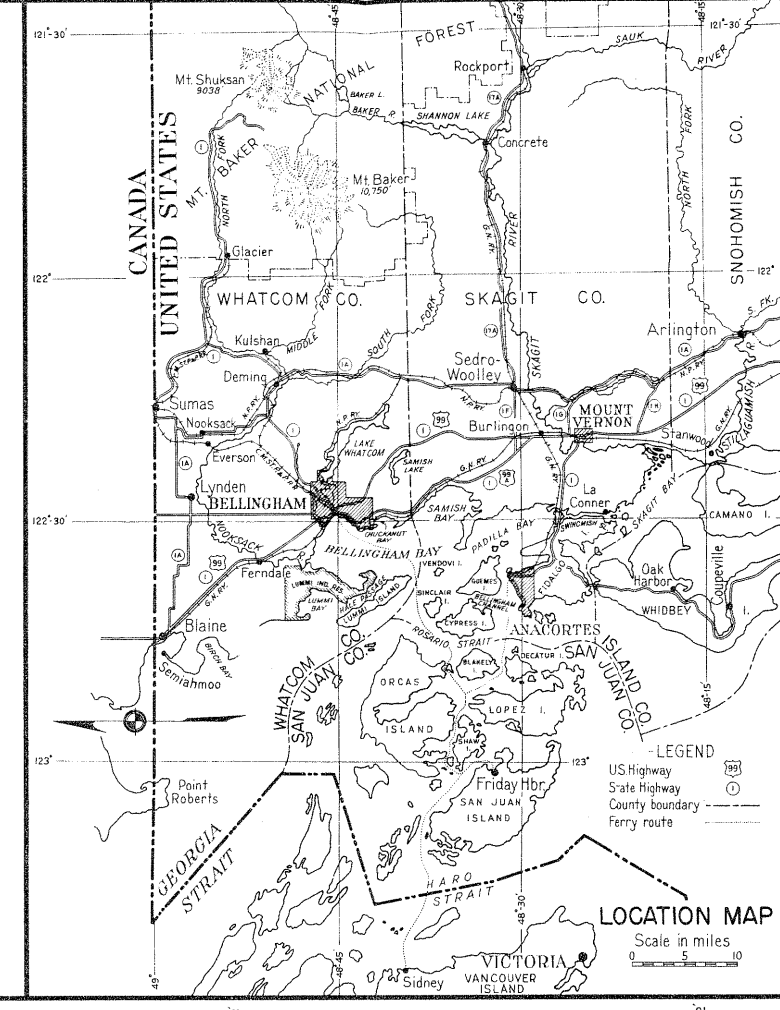


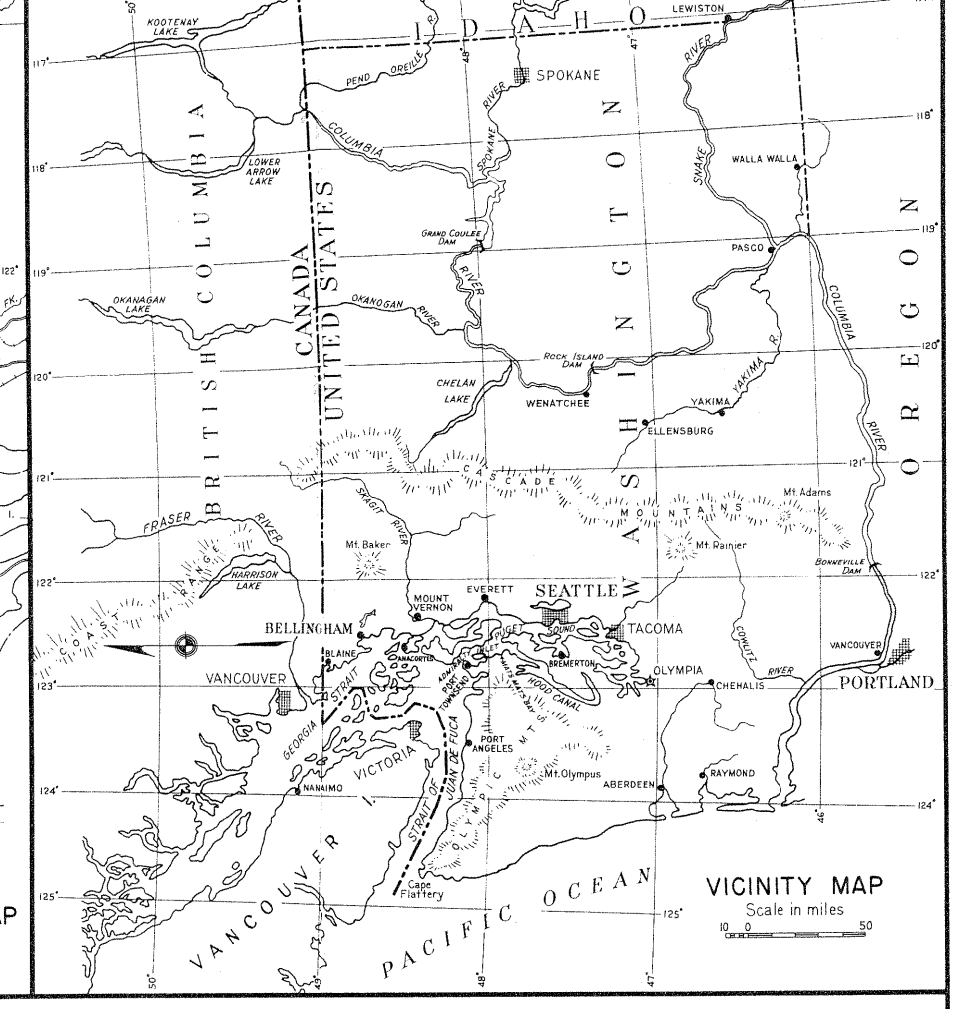
LEGEND

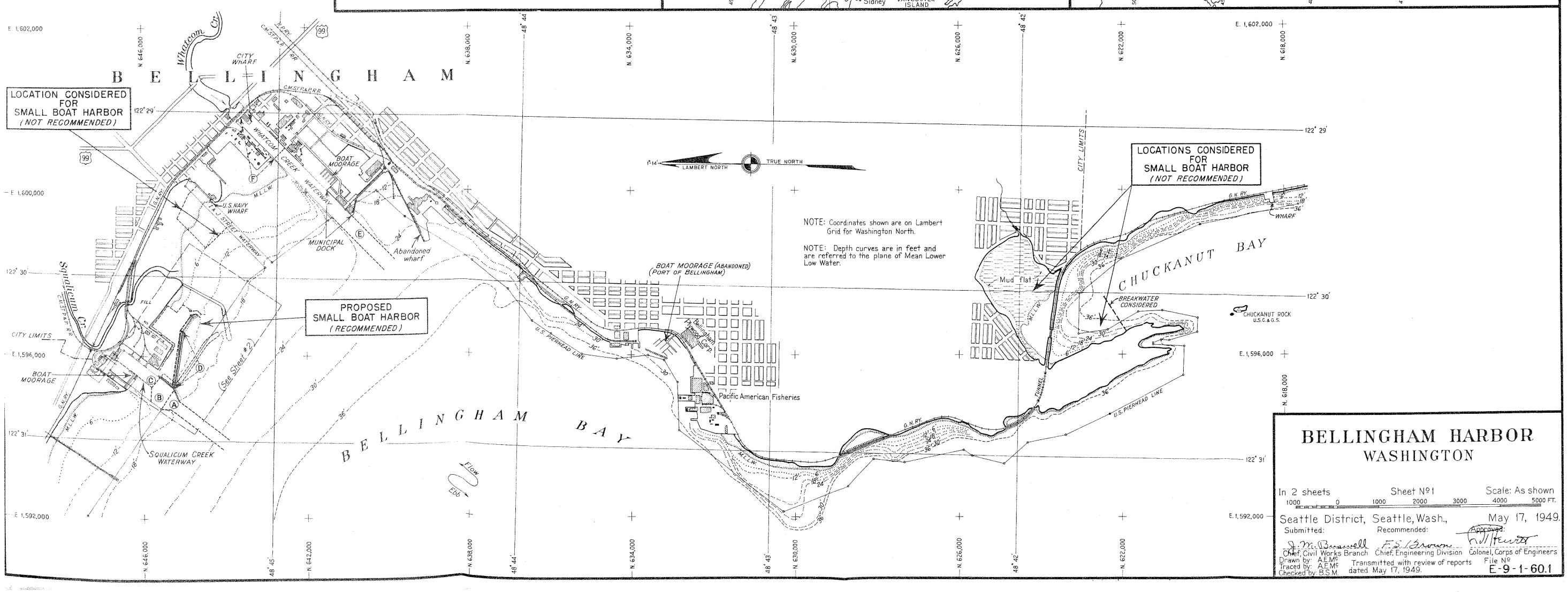
VELOCITY RANGE M.P.H.	FORCE BEAUFORT SCALE
0 TO 10	Not shown
OVER 10 TO 20	3,4 & 5
OVER 20	5,6 & over

Period - Jan. 1945 through May 1947.

WIND DIAGRAM
BELLINGHAM, WASH.







BELLINGHAM HARBOR
WASHINGTON

In 2 sheets — Sheet No. 1 — Scale: As shown
1000 0 1000 2000 3000 4000 5000 FT.

Seattle District, Seattle, Wash., May 17, 1949.

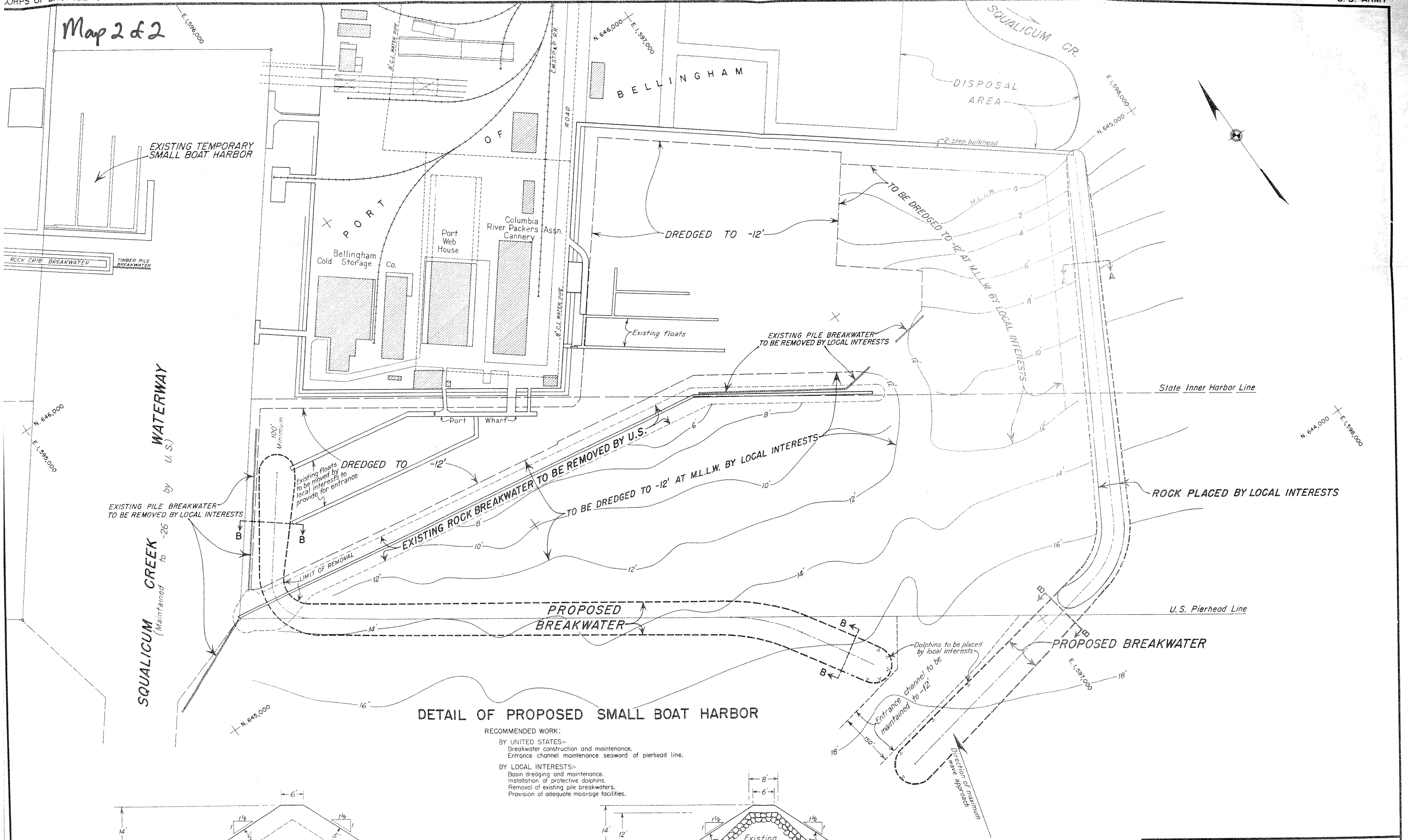
Submitted: J. M. Brunwell, Chief, Civil Works Branch
Recommended: F. E. Brown, Chief, Engineering Division
Approved: [illegible], Colonel, Corps of Engineers

Drawn by: A.E.M.
Traced by: A.E.M.
Checked by: B.S.M.

Transmitted with review of reports dated May 17, 1949.

File No. E-9-1-60.1

Map 2 of 2

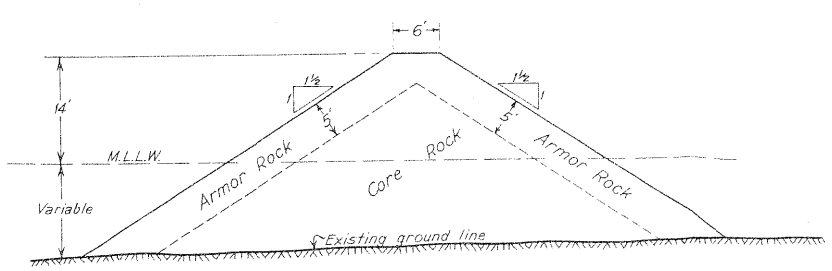


DETAIL OF PROPOSED SMALL BOAT HARBOR

RECOMMENDED WORK:

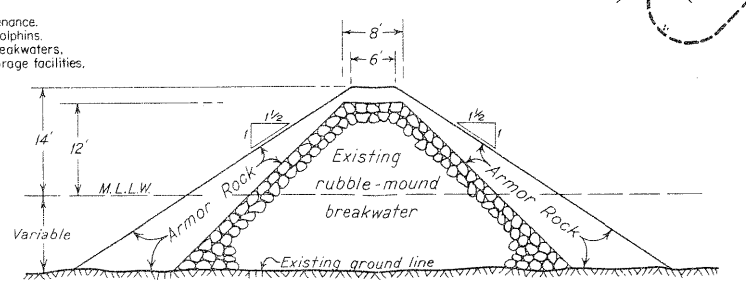
BY UNITED STATES:-
Breakwater construction and maintenance.
Entrance channel maintenance seaward of pierhead line.

BY LOCAL INTERESTS:-
Basin dredging and maintenance.
Installation of protective dolphins.
Removal of existing pile breakwaters.
Provision of adequate moorage facilities.



TYPICAL SECTION B-B OF PROPOSED BREAKWATER

Scale in feet
10 5 0 10 20



TYPICAL SECTION A-A OF PROPOSED BREAKWATER

Scale in feet
10 5 0 10 20

NOTE: Depth curves are in feet and are referred to the plane of Mean Lower Low Water.

BELLINGHAM HARBOR
WASHINGTON

In 2 sheets — Sheet No. 2 — Scale: As shown
100 50 0 100 200 300 400 500 FT.

Seattle District, Seattle, Washington, May 17, 1949

Submitted: J. M. Caswell, Chief, Civil Works Branch
Recommended: F. S. Brown, Chief, Engineering Division
Approved: D. W. Kent, Colonel, Corps of Engineers

Drawn by: A.E.M.
Traced by: A.E.M.
Checked by: B.S.M.

Transmitted with review of reports dated May 17, 1949.

File No. E-9-1-60.1