

HEADQUARTERS
THIRTEENTH NAVAL DISTRICT
SEATTLE, WASHINGTON

22 October, 1942.

SECRET

Major C. T. Batten,
G.S.O.I, Pacific Command,
Victoria, B.C.

Fort Hayden
(Flattery)

Enclosed herewith plans A & B covering the installations completed and under construction at Cape Flattery, which has now been given the name of Fort Hayden.

Plan A shows the location of the new jetty, 2 - 60" searchlights and radar #582 type. The Radar is not expected to be in operation for about 2 months yet and will eventually be moved to position shown on plan B. When in position on Waadah Island it will be operated by Army personnel under supervision of U.S.N. until moved. The 60" Sh's are mobile type and are now in position shown on plan A.

U. S. Engineers are now at work at Fort Hayden encamped at the mouth of Flattery Creek. See plan B.

Priorities in deliveries have been advanced at Fort Hayden, Striped Peak and Partridge Point as follows:

<u>Batteries</u>	<u>Delivery Date</u>
# 131	4/43
# 132	12/43
#248	4/43
# 249	9/43.

T. B. Monk

T. B. Monk, Lt.Col.,
C.A.L.O., N.W.Sector,
W.D.C. U.S.A.

C of E 662(Puget Sound)

December 15, 1942

MEMORANDUM FOR: Assistant Chief of Staff,
Operations Division,
War Department General Staff.

SUBJECT: Reorganization of the Harbor Defenses of Puget Sound.

1. Reference is made to 13th Indorsement dated The Adjutant General's Office, July 29, 1941 on letter subject "Rearrangement of Armament, Harbor Defense Project, Harbor Defenses of Puget Sound" dated The Harbor Defense Board, March 18, 1941 (AG 660.2(3-18-41)MC-E) (OCCA 662.1/25-G-6) (C of E 662B(Puget Sound)71). This communication approved the siting of the sea-coast batteries in the Harbor Defenses of Puget Sound, in three general areas, viz:

Admiralty Inlet
Tongue Point-Striped Peak
Cape Flattery

2. It is recommended that a self-explanatory letter substantially as follows be dispatched to the Commanding General, Western Defense Command:

"1. It is desired that you submit comments and recommendations on the advisability of organizing the harbor defense elements which are now approved for construction or retention in the Harbor Defenses of Puget Sound as three separate harbor defenses.

"2. It is noted that the air line distance from the Admiralty Inlet Area (Ft. Worden) to Striped Peak is approximately 43 miles and the air line distance from Striped Peak to Cape Flattery is approximately 50 miles. These distances are too great for close mutual support between batteries of the several areas. Likewise the distances by highway or water transportation will occasion difficulties if all three areas are to be supplied, administered, and controlled from the same harbor defense headquarters.

"3. Attention is invited to somewhat similar situations elsewhere in which inter-related seacoast defense elements have been organized as separate harbor defenses.

"a. The Long Island Sound approaches to New York City where the Harbor Defenses of New York remain independent of the Harbor Defenses of Long Island Sound.

"b. The Narragansett Bay area in which three separate harbor defenses have been organized (New Bedford, Narragansett Bay, and Long Island Sound) although their proximity is such that the fields of fire of the harbor defenses overlap."

For the Chief of Engineers:

C. E. Cotter,
Colonel, Coast Artillery Corps,
Assistant, Operations Branch
Construction Division.

323.5/25-A

C of E 662 (Puget Sound) CM 29758 SWEOP - Subject: Reorganization of the Harbor Defenses of Puget Sound.

1st Ind.

CEC/pjw

Office, C. of E., February 5, 1943.

To: Assistant Chief of Staff, Operations Division.

1. The Chief of Engineers concurs in the organization of the seacoast defenses in the Puget Sound area as two separate harbor defenses in accordance with the remarks made in Paragraph 1 of the 2nd Indorsement.

2. In order to enable proper planning of the communications and command installations for the Harbor Defenses of Puget Sound area, it is essential that the decision as to the eventual number of harbor defenses and their general limits be made at this time. However, the actual establishment of the eventual organization can well be deferred until at least a portion of the armament in the Cape Flattery area is ready for service.

3. It is recommended that:

a. Approval be given to carry out planning and installation of permanent fortifications in the Puget Sound area based upon eventual organization as two harbor defenses, viz;

(1) The Harbor Defenses of Puget Sound; consisting of the existing and projected installations in the Admiralty Inlet area and those pertaining to the armament in the vicinity of Striped Peak.

(2) The Harbor Defenses of Cape Flattery; consisting of the projected installation in the vicinity of Cape Flattery.

b. Publication of formal orders establishing the Harbor Defenses of Cape Flattery be deferred until such time as armament is placed in service and troops assigned thereto.

c. The Chief of Engineers, Chief Signal Officer, Chief of Ordnance and the Chief of Chemical Warfare Service (through the Commanding General, Services of Supply) be informed of the action taken.

d. The Commanding General, Western Defense Command, be informed of the action taken.

For the Chief of Engineers:

C. E. Cotter,
Colonel, Coast Artillery Corps,
Assistant; Operations Branch,
Construction Division.

1 Incl. n/c

323.5/25-A-1

✓

C. of E. 662(Puget Sound) SPEOF
Ref. CM 31517

March 5, 1943

MEMORANDUM FOR Director of Requirements, Services of Supply.

SUBJECT Reorganization of the Harbor Defenses of Puget Sound.

1. Reference is made to:

a. Memorandum, dated Headquarters, Services of Supply, February 15, 1943, subject: "Reorganization of the Harbor Defenses of Puget Sound", (SPRMC 660.2 (12-19-42) (C. of E. 662(Puget Sound) CM 31517).

b. Letter, dated Headquarters, Western Defense Command and Fourth Army, November 19, 1942, subject: "Local Board Proceedings - Cape Flattery" (660.2 HDPS (CA); C. of E. 665(Puget Sound) CM 28248, and the inclosed Supplemental Expenditure Program, SCD Funds, FY 1943, Harbor Defenses of Puget Sound.

c. Memorandum, dated Chief of Engineers, December 11, 1942, subject: "Tables of Harbor Defense Installations", (C. of E. 662 CM 23088) transmitting copies of Table of Harbor Defense Installations, revised December 7, 1942.

2. Review of the Supplemental Expenditure Program, SGD Funds, FY 1943, Harbor Defenses of Puget Sound has been completed in this office and action thereon has been taken upon the basis that two separate harbor defenses will be established in the Puget Sound area.

3. Revision of the Tables of Harbor Defense Installations furnished to the Director of Requirements by reference 1 c is in process. Revised tables will show the Harbor Defenses of Cape Flattery separately from the Harbor Defenses of Puget Sound.

For the Chief of Engineers:

C. E. Cotter,
Colonel, Coast Artillery Corps,
Assistant, Operations Branch,
Construction Division.

323.5/25-A-2

C. of E. 662(Puget Sound) SPEOF

March 5, 1943

SUBJECT: Reorganization of the Harbor Defenses of Puget Sound.

TO: Commanding General, Western Defense Command.

1. References:

a. Letter, dated Headquarters, Harbor Defenses of Puget Sound, February 28, 1942, subject "Fire Control Project under Modernization Program for Admiralty Inlet Area" and the inclosure thereto. (660/381B; C. of E. 665(Puget Sound) MR 2605).

b. Letter, dated Headquarters, Harbor Defenses of Puget Sound, May 17, 1942, subject: "Local Harbor Defense Board Report for Striped Peak Area (Case Title 4OM 5A (Striped Peak)), and the inclosure thereto; (660/381A; C. of E. 662(Puget Sound) CM 15147; 665.1 HD PS (5-17-42) (Sig).

c. Letter, dated Headquarters, Harbor Defenses of Puget Sound, November 2, 1942, subject: "Local Board Report, Seacoast Batteries, Cape Flattery", and the inclosure thereto; (660/381A (Cape Flattery); C. of E. 662(Puget Sound) CM 23066; 660.2 HDPS (CA)).

d. Letter dated Headquarters Western Defense Command and Fourth Army, November 19, 1942, subject "Local Board Proceedings - Cape Flattery", and the inclosed Supplemental Expenditure Program, SCD Funds, FY 1943, Harbor Defenses of Puget Sound, (660.2 HDPS; 660.2 HDPS (CA); 660.2/76 HDPS (CA); C. of E. 665(Puget Sound) CM 28248).

e. Memorandum, dated Headquarters, Services of Supply, February 15, 1943, subject: "Reorganization of the Harbor Defenses of Puget Sound", (SPRMC 660.2 (12-19-42); C. of E. 662(Puget Sound) CM 31517.

2. Pursuant to the directive appearing in reference 1 e, the review and action on reference 1 d has been carried out with a view to providing installations suitable for a separate harbor defense at Cape Flattery. Action has also been taken to segregate the equipment requirements into two sections; those called for by reference 1 e being

listed under the Harbor Defenses of Cape Flattery; those called for in reference 1 a and 1 b being listed under the Harbor Defenses of Puget Sound.

3. The Division and District Engineers concerned have been informed of the changes in designation for the construction projects involved.

4. It is requested that the Chief of Engineers be informed of any changes in references 1 a, b, c, or d, above, that are considered necessary to make adequate provision for the Harbor Defenses of Cape Flattery and the Harbor Defenses of Puget Sound.

For the Chief of Engineers:

U. E. Cotter,
Colonel, Coast Artillery Corps,
Assistant, Operations Branch,
Construction Division.

SECRET

SUBJECT: Reorganization of the Harbor Defenses of Puget Sound.

SPRMS 660.2 (3-5-43)

7th Ind.

WLM/mls
Ext. 71656

Headquarters, Army Service Forces, Washington, D. C. APR 22 1943

TO: Chief of Engineers.

1. Noted and returned as requested in preceding Indorsement.
2. Copies of the 3rd Indorsement hereon have been furnished to Chief Signal Officer, Chief of Ordnance, and Chief, Chemical Warfare Service for their information.

For the Commanding General:

W. A. WOOD, JR.,
Brigadier General, General Staff Corps,
Director, Requirements Division.

C. E. Cotter,
Colonel, Coast Artillery Corps,
Chief, Seacoast Defense Projects Branch.

1 Incl. n/c

FOR RECORD ONLY

1. By basic ltr. subj. "Reorganization of the H.D. Puget Sound" dtd. C of E 3-5-43, C of E 662(Puget Sound) CM 38500 SPEOF; SPRM 660.2 (3-5-43), C of E incloses memo subj. as above dtd. Hq. SOS, 2-15-43, SPRMC 660.2 (12-19-42); C of E 662(Puget Sound) CM 31517 SPEOF, which stated authorization has been given to proceed with planning and installation of permanent fortifications in the Puget Sound area based upon eventual organization as two H.D.'s.

By 3rd Ind. C.G. H.D. PS states four projects pertaining to definite geographical areas cover modernization program for H.D. P.S. He lists these projects by case title, description, and location and indicates expenditure programs applying to each, as well as the H.D. to which each will be assigned upon reorganization of H.D.P.S. He states boundary line between H.D. P.S. and H.D. Cape Flattery will follow along meridian 124° 16' west.

SECRET

100800

323.5/25-A-4

WAR DEPARTMENT
HEADQUARTERS, SERVICES OF SUPPLY
Washington

C
O
P
Y

CCZ/mab/jla
Ext. 6900

SPRMC 669.2 (12-19-42)

February 15, 1943

MEMORANDUM FOR COMMANDING GENERAL, WESTERN DEFENSE COMMAND:
CHIEF OF ENGINEERS:
CHIEF SIGNAL OFFICER:
CHIEF OF ORDNANCE:
CHIEF, CHEMICAL WARFARE SERVICE:

Subject: Reorganization of the Harbor Defenses
of Puget Sound.

1. The War Department has given authorization to proceed with the planning and installation of permanent fortifications in the Puget Sound Area based upon eventual organization as two Harbor Defenses, viz.:

(a) The Harbor Defenses of Puget Sound; consisting of the existing and projected installations in the Admiralty Inlet Area and those pertaining to the armament in the vicinity of Striped Peak.

(b) The Harbor Defenses of Cape Flattery, Washington; consisting of the projected installations in the vicinity of Cape Flattery.

2. It is desired that the Chief of Engineers in collaboration with the Western Defense Command and using services concerned, formulate plans and install permanent fortifications, in accordance with the above authorization. The publication of formal orders establishing the Harbor Defenses of Cape Flattery will be deferred until such time as armament is placed in service and troops assigned thereto.

For the Commanding General:

/s/

W. A. WOOD, JR.
Brigadier General, General Staff Corps,
Director, Requirements Division.

C. of E. 662 (Puget Sound) CM 31517

323.5/25-A-4 Inc. 1

Army Service Forces
~~XXXXXXXXXXXXXXXXXXXX~~

Date

SPRMS 660.2

WIA/mls
Ext. 71856

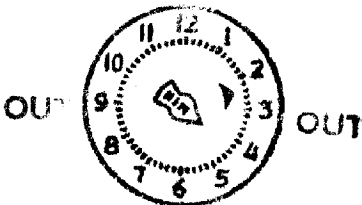
MEMORANDUM FOR CHIEF SIGNAL OFFICER
CHIEF OF ORDNANCE
CHIEF OF CHEMICAL WARFARE SERVICE APR 22 1943

SUBJECT: Reorganization of the Harbor Defenses of Puget Sound.

1. Reference is made to Memorandum to your office dated Headquarters, Services of Supply, February 15, 1943, C. of E. 662(Puget Sound) CM 31517; SPRM 660.2 (12-19-42). This memo stated that authorization had been given to proceed with planning and installation of permanent fortifications in Puget Sound area based on eventual organization as two Harbor Defenses.

2. There is inclosed herewith for your information and files a copy of 3rd Indorsement by Commanding General, Harbor Defenses of Puget Sound on letter, subject: "Reorganization of Harbor Defenses of Puget Sound" dated Office, Chief of Engineers, March 5, 1943, C of E 662(Puget Sound) CM 58500 SPRM; SPRM 660.2 (3-5-43). This letter requested redesignation of the allocation of current and future construction projects in the Puget Sound area to agree with the subdivision of these defenses into the Harbor Defenses of Puget Sound and Harbor Defenses of Cape Flattery as indicated in the Memorandum cited in Par. 1.

APR 22 1943 For the Commanding General:



W. A. WOOD, JR.,
Brigadier General, General Staff Corps,
Director, Requirements Division.

WAR DEPARTMENT
SERVICES OF SUPPLY
REQUIREMENTS DIVISION

C. E. Cotter,
Colonel, Coast Artillery Corps,
Chief, Seacoast Defense Projects Branch.

1 Incl.
Cpy of 3rd Ind., 2/15/43

FOR RECORD ONLY

See FRO on 7th Ind. to C of E subj. "Reorganization of the Harbor Defenses of Puget Sound", SPRMS 660.2 (3-5-43).

SECRET

323.5/25-A-5

Army Service Forces
XXXXXXXXXXXXXXXXXXXX

20 October 1945.

Brigadier General James H. Cunningham,
Fort Worden, Washington.

Dear General:

By this time, you have doubtless received official information of the discontinuance of the Cape Flattery Project. One of the objects of my visit was to observe the status of that job as it appeared on the ground, in order that we would be better informed here as to the future action that might be necessary in the event the project was cancelled. The proceedings which led to the cancellation were already in the mill before I made my visit, awaiting decision from the War Department General Staff. My observations had no influence, one way or the other, on the decision that was taken. I had hoped that word of the decision would have reached you while I was still in the harbor defenses but unfortunately the directive was not published until after I left.

For a time it appeared likely that all fortifications construction in the Continental United States would be cancelled regardless of the status of completion or location of the batteries. As previously proposed by higher authority, it was a question of effecting a substantial reduction in the use of manpower and critical materials for seacoast fortifications. The upshot to date affects only the work at Cape Flattery and the size of the war reserves of seacoast ammunition. We hope the remainder of the program will be carried out as now authorized pursuant to the various local board proceedings. Colonel Whittaker has already written you about the 24" searchlights and the plotting room equipment for Batteries Tolles and No. 248. It was a pleasure to see that the construction in the Striped Peak area was so well advanced. You and your staff officers certainly deserve a great deal of credit for carving a complete and effective harbor defense out of an almost pathless wilderness. I was much impressed by the labor and careful planning that had been done in preparing the Local Board Proceedings for Cape Flattery. It is most unfortunate that this effort will be of no avail, at least in this war. On the other hand, perhaps we should feel thankful that our enemies have been pushed back so far that higher authority feels less apprehension for the safety of that region.

SECRET

Through the assistance of Colonel Biehl and Colonel Winters and Major Newman; my visit to the Harbor Defenses of Puget Sound was both enjoyable and informative. I thank you and your staff for the transportation facilities and other help which enabled me to see so many activities in the short time available.

With sincerest thanks.

Very truly yours,

C. E. Cotter,
Colonel, General Staff Corps.

COPY—

25, D.C.

AG 660.2 (12 Oct 43)OB-S-SPRMS

KLS/MJM 2B-939 Pentagon

13 October 1943.

SUBJECT: Elimination of Cape Flattery Seacoast Defenses.

TO: Commanding General, Western Defense Command.

1. It is directed that the construction of the seacoast defenses at Cape Flattery be discontinued and that Batteries (Construction Nos.) 250, 251, 132 and 133 with their attendant ordnance fire control accessories and signal communications be eliminated.

2. In view of the above, the submission of a supplement to the Harbor Defenses of Cape Flattery directed by letter, subject "Preparation of Supplements to Harbor Defense Basic Projects" dated The Adjutant General's Office, 2 February 1943, (AG 660.2 (14 Jan. 43)OB-S-E-M), is no longer considered necessary.

By order of the Secretary of War:

Glenn C. Morrow

Adjutant General.

F.W. 660.2/25-D

SECRET

JTK/kj
6175

SPOPS 660 (27 Oct 44) 1st Ind.
Office of the Commanding General, Army Service Forces, Washington 25,
D. C., 3 November 1944.

To: Assistant Chief of Staff, Operations Division, War Department
General Staff, The Pentagon, Washington 25, D. C.

660.2/c-2

1. Elimination of the seacoast defense batteries at Cape Flattery was directed in memorandum for the Commanding General, Army Service Forces, Operations Division, War Department General Staff, OPD 660.2 (16 Sept 43), 5 October 1943, subject "Construction Program, Seacoast Gun Batteries, Continental United States."

2. Although the Cape Flattery batteries have been eliminated, the plans, specifications and characteristics of these batteries apply equally to other batteries of the same type which have recently been completed or are now under construction.

3. In view of the relation of technical and administrative correspondence pertaining to the Cape Flattery Batteries to similar completed or partially completed batteries, it is considered that the request contained in the 2nd Indorsement is not in sufficient detail to permit a selection of the type of information which might be reduced to a "Restricted" classification without detriment to the interest of the United States. Further, it is believed that no selection of such material can be made except by consideration of individual documents.

4. As respects existing technical and administrative correspondence, it is believed that some reduction in the classification may be effected under the provisions of paragraphs 9, 13, and 15 of AR 380-5 for those portions which do not reveal essential data common to other installations and which were originally classified by the Chief of Engineers.

5. It is recommended that:
SUBJECT: Removal of Classification, Battery Construction, Harbor
a. The subject correspondence be returned to the Commanding General, Western Defense Command, through the Chief of Engineers with the following statements:

(1) The request to classify as "Restricted" all present and future administrative and ordinary technical correspondence pertaining to the eliminated batteries at Cape Flattery is not

REGRADED UNCLASSIFIED WHEN SEPARATE FROM CLASSIFIED INCLOSURES
ORDER SEC ARMY BY TAG

SECRET

660.2/25-D-1

SECRET

SPOPS 660 (27 Oct 44)
1st Ind. continued.

has been discontinued and subelement of the
terminated contracts has been completed.
favorably considered. The plans, specifica-
(2) tions and details of these batteries as well
as some of the technical and administrative
correspondence pertaining to them bear such
close relation to other batteries of the same
type as to make impossible any categorical
determination of material which can be reduced
to a "Restricted" classification without detri-
ment to the interest of the United States.

b. 1st Ind. DE Pac Div 380.01 (Gen) PABMG, 3 Oct 44,
reports re: (2) There is no objection to the Chief of Engineers
reclassifying such technical and administrative
correspondence as is considered to fall within
the purview of paragraphs 9, 13, and 15, AR 380-5
(15 March 1944), provided no information or data
pertaining to other installations of similar
type is thereby subjected to compromise.

For the Commanding General:

LeR. LUTES,
Major General, G.S.C.,
Director of Plans & Operations, ASF.

1 Incl.
n/c.

SUBJECT: Removal of Classification, Battery Construction, Harbor
Defenses of Puget Sound.

FOR RECORD ONLY:

1. Basic is D/F, OPD, OPD 660.2 HD of Puget Sound (20 Sept 44)
27 Oct 44, subject as above, which transmits to CG, ASF, Seacoast
Defense Projects Branch, for remark and recommendations, the
following corres:

a. Ltr. US Engr. Office, Seattle, 311.5 (HD) CI PADBK-1
27 Sept 44, subject same as D/F, which states that:

REGRADED UNCLASSIFIED
FROM (1) UNCLASSIFIED ENCLOSURES
ORDER SEC ARMY BY TAG PER 1005

(1) Construction of Batteries 132, 133, 250, and 251

SECRET

~~SECRET~~
SECRET

SPOPS 660 (27 Oct 44)
1st Ind. continued.

has been discontinued and settlement of the terminated contracts has been completed.

(2) Dispersal of a large number of persons having knowledge of the construction, and the disposal of surplus materials, equipment, and real estate with attendant publicity appears to render continuance of secret classification of correspondence unnecessary, and requests that all classification be removed.

- b. 1st Ind. DE Pac Div 380.01 (Gen) PADRQ, 3 Oct 44, repeats request made in basic letter.
- c. 2nd Ind. Hq. WDC 312.1 (Engr), 19 Oct 44, cites WD letter advising elimination of Cape Flattery defenses and recommends that ordinary technical and all administrative corres. be reclassified as "Restricted".

There is no objection to the Chief of Engineers reclassifying such technical and administrative correspondence as is considered to fall within the purview of paragraphs 9, 13 and 15, AR 380-6 (18 March 1944), provided no information or data pertaining to other installations of similar type or nature is exposed or compromised.

By order of the Secretary of War:

FORWARDED
W. A. FLIP
Major General
The Adjutant General.

INFORMATION COPY TO:
Assistant Chief of Staff, Operations Division, WDCS, ref. his O/T, OMB 660.2 HQ of Puget Sound (27 Sep 44), 6 Nov 44

REGRADED UNCLASSIFIED WHEN SEPARATE
FROM CLASSIFIED INCLOSURES
ORDER SEC ARMY BY TAG PER 100309

~~SECRET~~
SECRET

660.2/25-D-1

COPY

SECRET

BASIC: Ltr fm US Engr Office, Seattle, Wash. 311.5 (Harbor Defenses)C1, PADBK-1,
27 Sep 44, to The Div Engr, Pacific Div, San Francisco, Calif.

SUBJECT: Removal of Classification, Battery Construction, Harbor
Defenses of Puget Sound.

AG 660.2 (27 Sep 44)OB-S-E 3rd Ind. GJM/md 2B-929 Pentagon
WD, AGO, Washington 25, D. C., 8 November 1944.

THRU: Chief of Engineers.

TO: Commanding General, Western Defense Command.

1. The request to classify as "Restricted" all present and future administrative and ordinary technical correspondence pertaining to the eliminated batteries at Cape Flattery is not favorably considered. The plans, specifications and details of these batteries, as well as some of the technical and administrative correspondence pertaining to them, bear such close relation to other batteries of the same type as to make impossible any categorical determination of material which can be reduced to a "Restricted" classification without detriment to the interest of the United States.

2. There is no objection to the Chief of Engineers reclassifying much technical and administrative correspondence as is considered to fall within the purview of paragraphs 9, 13 and 15, AR 380-5 (15 March 1944), provided no information or data pertaining to other installations of similar type is thereby subjected to compromise.

By order of the Secretary of War:

SIGNED

J. A. ULIO
Major General
The Adjutant General.

INFORMATION COPY TO:

Assistant Chief of Staff, Operations Division, WDGS, ref. his
D/F, OPD 660.2 HD of Puget Sound (27 Sep 44), 6 Nov 44.

660.2/25-D-1

SECRET**COPY**

SECRET

CE 662(Puget Sound)CM 145872 SPEMT

Subject: Removal of Classification,
Battery Construction,
Harbor Defenses of Puget
Sound.

2nd Ind

Office, C. of E., 29 March 1946

To: The Commanding General, Army Service Forces
Attention: Seacoast Defense Projects Branch,
Director of Services, SPOPS

1. A similar request for the removal of classification on the subject papers, submitted by the District Engineer, Seattle, Washington on 27 September 1944 (CE 662(Puget Sound)CM 112077) was disapproved by the Secretary of War (AG 660.2(27 Sept 44) OB-S-E (dated 8 Nov 1944) for the reason that some of the technical and administrative correspondence bear such close relation to other batteries of the same type as to make impossible any categorical determination of material which can be reduced to a "Restricted" classification without detriment to the interest of the United States.

2. For the reasons outlined in paragraph 1, basic, it is recommended that authority be now granted to remove the classification from the general administration and ordinary technical correspondence, and from the termination case files for terminated contracts in connection with the construction of the seacoast batteries at Cape Flattery, Washington as requested by the District Engineer, Seattle. Merely reducing the classification to "Restricted" would still require special handling as compared to the balance of the termination case files in that district and would defeat the purpose intended.

FOR THE CHIEF OF ENGINEERS:

RAY J. HAFNER
Lt. Colonel, Corps of Engineers,
Special Projects Branch
Construction Operations Division

SECRET

Copy No. 1 of 1 copies
To be retained in original file

660.2/2872

SECRET

Subject: Removal of Classification, Battery Construction, Harbor Defenses
of Puget Sound.

SPOPS 660 (18 Mar 46)

3d Ind.

FGR/hhn/72489

Services Group, Headquarters, Army Service Forces, Washington 25, D. C.,
10 April 1946.

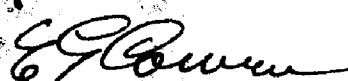
To: Chief of Staff, United States Army, Washington 25, D. C.
(Attention: Assistant Chief of Staff, Operations Division, War
Department General Staff).

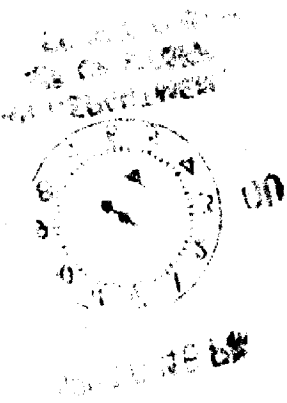
1. Reference is made to attached correspondence.
2. It is recommended that the Commanding General, Army Service Forces,
be authorized to inform the Chief of Engineers as follows:

The request to remove the existing classifications from the general administration and ordinary technical correspondence, and from the termination case files for terminated contracts in connection with the construction of the seacoast batteries at Cape Flattery, Washington, under Contracts Nos. W-869-eng-9823, 9830, 10104, 10107, etc., with Guy F. Atkinson Company, is approved.

FOR THE COMMANDING GENERAL:

RICHARD DONOVAN,
Major General, GSC,
Director of Services, ASF.


E. G. COWEN,
Colonel, CAC,
Chief, Seacoast Defense
Projects Branch.



cel 660.2/25D2

SECRET

WAR DEPARTMENT GENERAL STAFF

CLASSIFICATION (if any)
~~SECRET~~
 BY AUTHORITY OF A.C. OF S., OPD
 12 Apr 46
 [Signature]
 [Signature]

DISPOSITION FORM

FILE NO.
OPD 312.1 (18 Mar 46)

SUBJECT Removal of Classification, Battery Construction, Harbor Defenses of Puget Sound.

TO CG, ASF	FROM OPD	DATE 12 Apr 46 COMMENT NO. 1 Lt Col Harnett/5388/jp
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The recommendation contained in Paragraph 2, 3rd Indorsement is approved.

FOR THE ASSISTANT CHIEF OF STAFF, OPD:

[Handwritten mark]
 Incl.
 Ltr fr ASF C/E, dtd
 18 Mar 46, file 380.01
 (Harbor Defense)CIPABLC
 w/3Ind.

[Handwritten signature]
for
 KEITH R. BARNEY
 Colonel, GSC
 Chief, Projected Logistics
 Section, Logistics Group, OPD

660.2/25-D-3

SECRET

~~CONFIDENTIAL~~

500/kj
4888

SPOPS 600.1 (31 Jan 45) 9th Ind.
Office of the Commanding General, Army Service Forces, Washington 25, D. C.
7 February 1945.

FEB '45 RM

To: Chief of Engineers, New War Department Building, Washington 25, D. C.

WANTED

L. A. W.



RECEIVED OFFICE OF THE AGC
FEB 11 1945

2 Incls.
n/c

FOR RECORD ONLY:

660.2/C-5

1. Basic is letter, Office of the CofEngrs, CE 662 (Puget Sound) SPEMT, Ref. CM 64188, subject "Termination of Work - Seacoast Defenses Cape Flattery, Washington", which requests that Division Engineer, Pacific Division, furnish a report on actions taken and fiscal savings which have accrued upon termination of construction at the Harbor Defenses of Cape Flattery.
2. 2d Ind, US Engr Office, Seattle, 600.1 (Cape Flattery) C4 PADBO-5A 24 Nov 44, states that:
 - a. A lump sum settlement has been made with the Guy F. Atkinson Co. and that no separate cost records were kept for the various jobs.
 - b. Total cost of the Cape Flattery project is given as \$5,998,854.33 which includes \$1,059,500 absorbed as the War Department portion of costs incurred by the Public Roads Administration for access road work, (\$22,250 which the Taholah Indian Agency (Makah Indian Tribe) is to pay for the contractor's camp at Neah Bay, and \$3,156.70 received from the Northwest Steel Rolling Mills for steel purchased from the Govt are not included).
3. 4th Ind, Office of the CofEngrs, CE 662 (Puget Sound) CM 115465 SPEMT, 21 Dec 44, requests a more detailed statement of the settlement of the Cape Flattery account and states that in compiling total costs, work performed under the Public Roads Administration should not be included. It is stated that \$700,000 of the \$1,059,500 transferred to the Public Roads Administration was returned as unexpended. Records of the Office of the C of Engrs indicate that funds authorized for the Cape Flattery Project total \$4,988,050.00
4. 6th Ind, US Engr Office, Seattle, 600.1 (Cape Flattery) C4 PADBO-6C, 19 Jan 45, states that settlement with contractor was arrived at on the basis of costs incurred. Field estimates received at the time of the stop order

COMMON COPY

660.2/C-5-A

~~CONFIDENTIAL~~

RECEIVED
E.O. 12815 / DOD 5700.75 / RND 7600
By <u>Witz</u> Date <u>3/26/80</u>

~~SECRET~~

SPOPS 600.1 (31 Jan 45)
9th Ind. continued.

FOR RECORD ONLY:

indicate that the total engineer cost of the authorized work would approximate \$10,000,000. Most of the \$3,679,245.08 cost incurred by the contractor prior to termination of the work was for the mobilization of men and equipment, construction of the camp for approximately \$1,000,000, construction of dam for water supply, establishment of gravel bunkers and loading facilities at Crescent Bay, construction of a barge landing and gravel unloading facilities at Neah Bay, purchase and transportation of approximately 100,000 cu yds of sand and gravel from Crescent Bay to Neah Bay, erection of a mixing plant and cement silo and construction and maintenance of necessary construction roads. The work accomplished is tabulated in the 6th Ind. An extract copy of this tabulation is filed in SPOPS.

5. 2d Wrapper Ind (Incl. No. 2) US Engr Office, Seattle Wash, SE 600.1 (Cape Flattery) C4 PADBO-6C, 5 Dec 44, gives the following compilation of costs for the Cape Flattery project:

Net Lump Sum Termination Payment to contractor	(4,420,232.91
Government furnished material	55,669.97
Engineering and Overhead	<u>463,451.45</u>
Sub-Total	4,939,354.33
WD Portion of PRA Costs*	<u>1,059,500.00</u>
Total	\$ 5,998,854.33

*Note statement in regard to PRA account under PRO of
4th Ind above.

It is stated that audit of the contractor's books indicates that \$3,679,245.08 of the above costs were incurred prior to termination of the work and \$740,987.83 after stoppage of the work on 12 Oct 45.

6. Total Engineer cost of project computed from data above is:

\$5,998,854.33
- 700,000.00
<u>\$5,298,854.33</u>

~~SECRET~~

660.2/c-5-A

6th Ind. cont'd

No.	Job No.	Auth. Work	Description of Work Accomplished	Completion
FS-943	Upper Agency FS-1	F.C.Sta.	No work done.	0
FS-944	Knob FS-1	F.C.Sta.	No work done.	0
FS-945	Flattery Ocean FS-1	F.C.Sta.	No work done.	0
FS-946	Flattery Kes- siso, FS-1	F.C.Sta.	No work done.	0
FS-947	Wat FS-2	F.C.Sta.	Access road completed. Structure completed with exception of interior finishing.	95 1/2
FS-948	Flattery Upper Bluff, FS-1	F.C.Sta.	No work done.	0
FS-949	Duk, FS-1	F.C.Sta.	Access road 2/3 completed	60 1/2
FS-950	Flattery Upper FS-1	F.C.Sta.	No work done.	0 1/2
FS-951	Flattery Upper Ocean, FS-1	H.D.C.P.	No work done.	0
FS-952	Flattery North FS-2	Sig. Sta.	Access road 3/4 completed	60 1/2

5. In reference to paragraph 2 of the 2nd Indorsement regarding the disposal of surplus property, this office inadvertently referred to ASF Circular No. 132. Government furnished material and equipment was disposed of in accordance with Procurement Regulation No. 7 and contractor furnished material and equipment was disposed of as termination inventory in accordance with Procurement Regulation No. 15 which governed such disposal at that time. The disposition of partially completed items of construction is as follows:

Job No.	Job	Description of Work	Disposal
Cape Flattery FS-1	Btry. 131	Clearing of site and exc. Access Road.	No disposal value. Located on Makah Indian Reservation. Reverts to Indians.
Cape Flattery FS-3	Btry. 132	Clearing of site and exc. Access Road.	No disposal value. Located on Makah Indian Reservation. Reverts to Indians.
Koitlah Point FS-1	Btry 250	Clearing of site and exc. Access Road.	No disposal value. Located on Makah Indian Reservation. Reverts to Indians.
Flattery Creek FS-1	F.C.Sta.	Access Road 2/3 completed.	Reverts to Indians. No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.

~~SECRET~~

SECRET

~~SECRET~~

6th Ind cont'd.

<u>Job No.</u>	<u>Job</u>	<u>Description of Work</u>	<u>Disposal</u>
North Portage FS-1	F.C.Sta	Access Road completed. Conc. Structure completed.	No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.
Wat FS-1	Met. Sta.	Access Road completed. Conc. Structure completed	No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.
South Portage FS-1	F.C.Sta.	Access Road completed. Conc. Structure completed	No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.
Wat FS-2	F.C.Sta.	Access Road completed. Conc. Structure completed	No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.
Duk FS-1	F.C.Sta.	Access Road 2/3 completed	No disposal value. Part of road located on Makah Indian Reserv ation. Reverts to Indians for their use.
Flattery North FS-1	F.C. Sta.	Access Road 3/4 completed.	No disposal value. Located on Makah Indian Reservation. Reverts to Indians for their use if any.

<u>Description of Elements</u>	<u>Disposal</u>
Contractors construction camp.	Entire camp, including all structures, water supply, roads and other facilities, sold to Makah Indian Reservation for \$22,250.00.
Contractors dam at Flattery Creek for purpose of providing water for mixing concrete, etc.	No disposal value on account of remote location. Located on Makah Indian Reservation. Reverts to Indians for their use, if any.
Mixing Plant & Cement Silo.	Dismantled by contractor, declared surplus and turned over to Treasury Department for disposal.
Barge Landing at Neah Bay.	Dismantled by contractor. Materials re- tained by contractor.

~~SECRET~~

COPY

Description of Elements

Disposal

Gravel Bunkers at Crescent Bay.

Disposal value would consist only of value of materials after deduction of dismantling cost.

Gravel loading facilities at Crescent Bay

Belting dismantled and turned over to District Property Branch. Power equipment retained by the contractor.

Sand and Gravel Stockpile at Neah Bay.
(Approx. 70,000 C.Y.)

Remains property of U. S. Government Land on which stockpiles located is leased by U. S. Government. Possibility of disposal remote.

P.R.A. Elements

Access Road to Btrys. 132 & 133

No disposal value. Located on Makah Indian Reservation, Reverts to Indians.

Access Road to Btry 250

No disposal value. Located on Makah Indian Reservation. Reverts to Indians.

* * * * *

/s/

Conrad P. Hardy,
Colonel, Corps of Engineers,
District Engineer.

COPY

STRAIT

CAPE FLATTERY

SL. NO. 51 (P)

B 11 11 10 10 13 13

SL. NO. 52 (P)

KESSISO ROCKS

FUCA PILLAR

SL. NO. 53 (P)

NO. 132
BTRY. NO. 11
2-18

PLOTTING ROOM 11

CR 256
NO. 7

CENTRAL
MAGAZINES
NO. 2

PLOTTING ROOM 12

NO. 133
BTRY. NO. 12
2-18

BC 12 B 11
OCR 256
NO. 8

NO. 251
BTRY. NO. 13
2-18

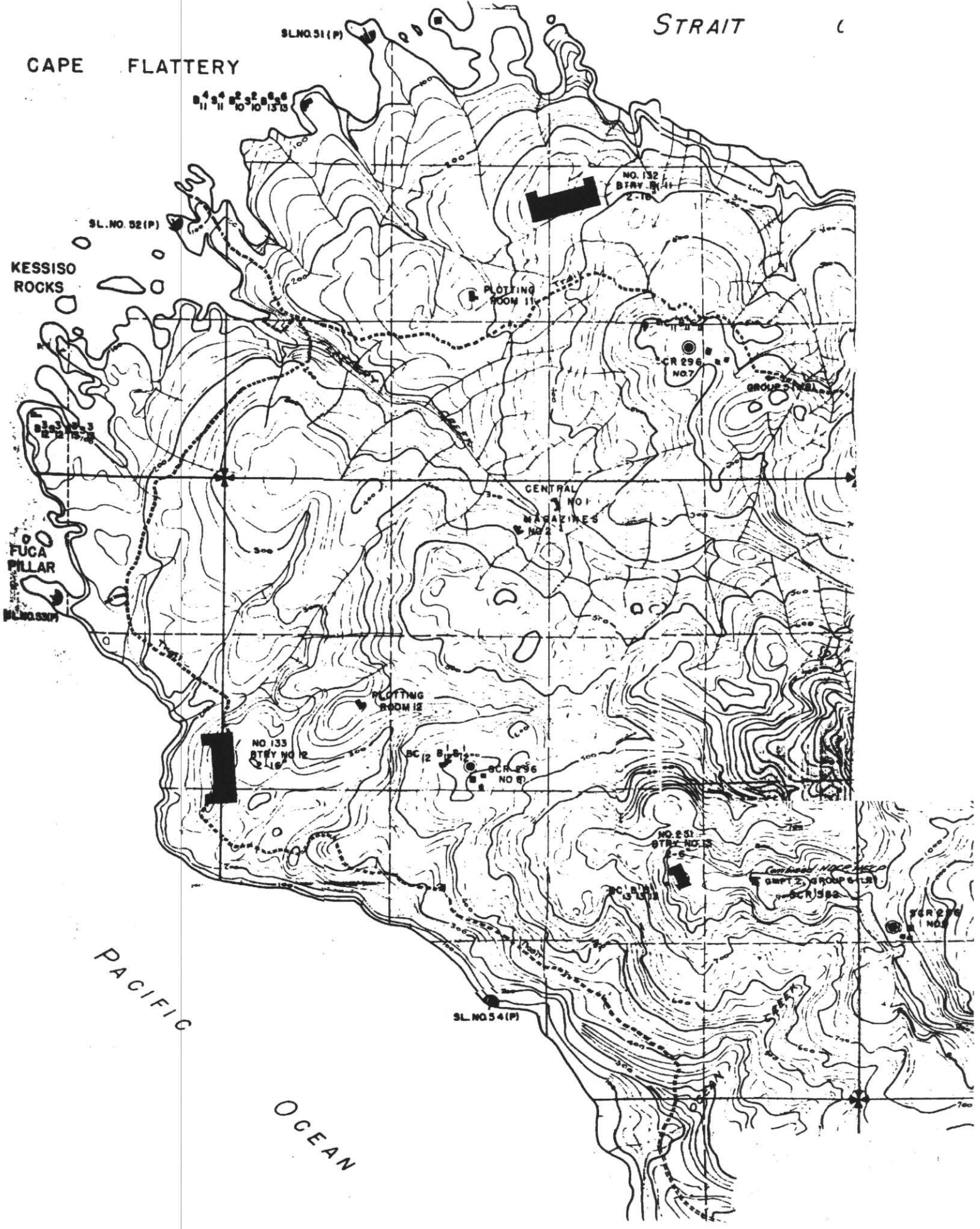
COMP. 2 GROUP 12

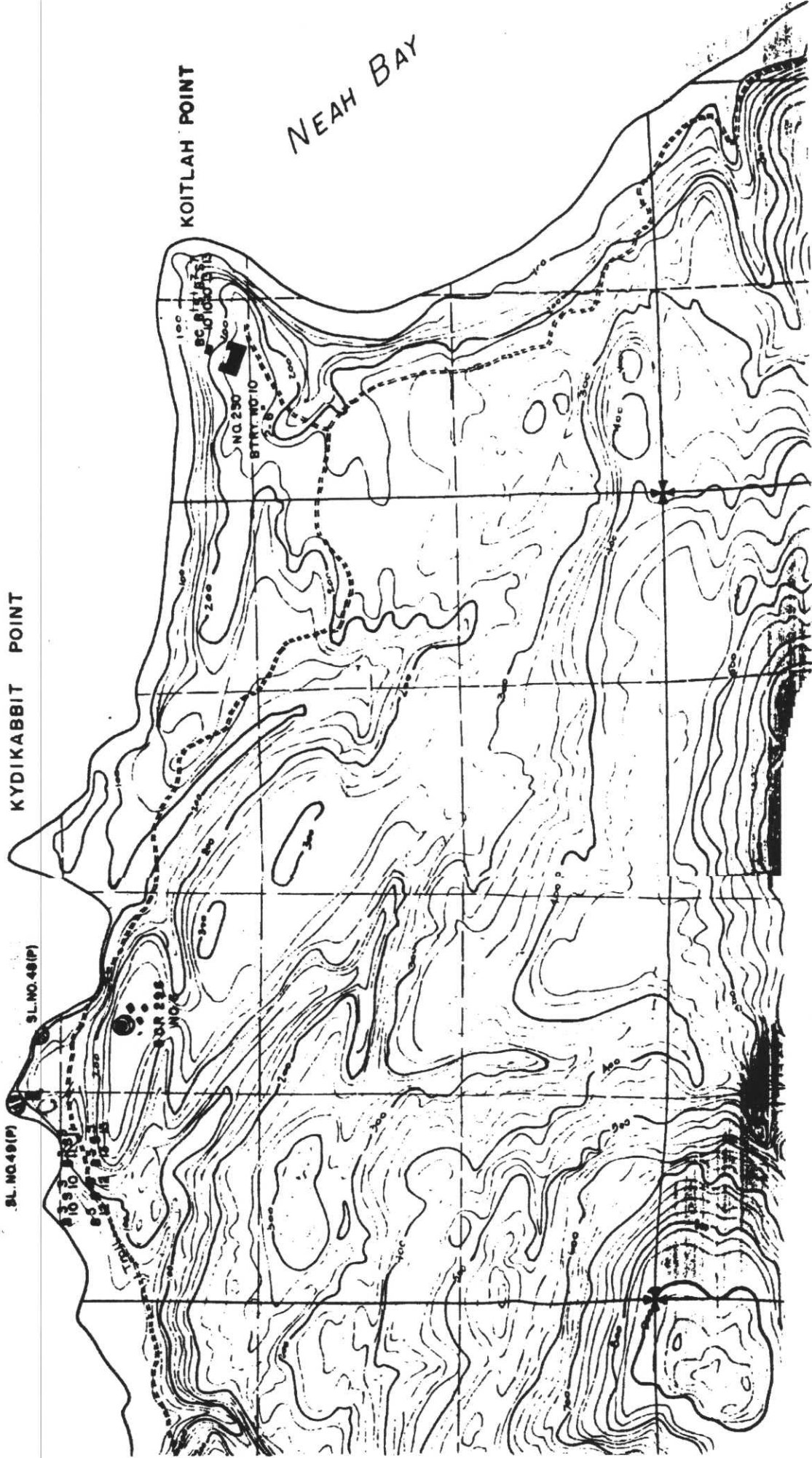
SCR 250
NO. 9

SL. NO. 54 (P)

PACIFIC

OCEAN





KYDIKABBIT POINT

KOITLAH POINT

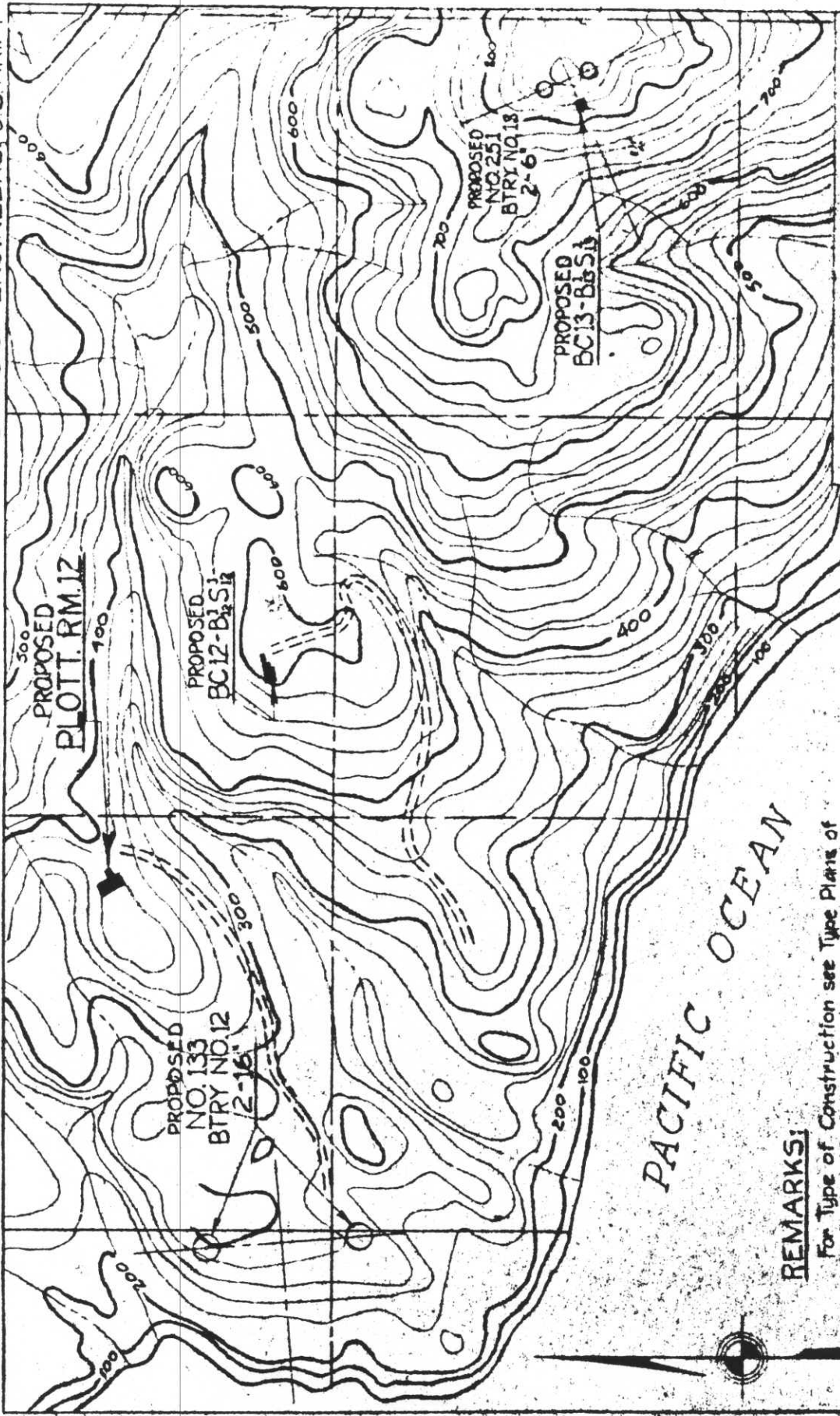
NEAH BAY

SL. NO. 49(P)

SL. NO. 49(P)

NO. 230
BTRY. MO 10

NO. 230
BTRY. MO 10



PACIFIC OCEAN

REMARKS:

For Type of Construction see Type Plans of Plotting and Switchboard Structure for 16 inch Emplacements, Construction Division, Office C of E, File No. 186-70-66, in 3 sheets.

Excavation Consists Mainly of Solid Rock

REFERENCE:

See Installation Map, Exhibit No. 5A

VICINITY MAP

E. BLUFF
Datum is Mean Sea Level
Scale 1:500



HARBOR DEFENSES OF PUGET SOUND
PROPOSED
PLOTT. ROOM 12
E. BLUFF

In 1 Sheet Scales as indicated
Scale 1:500
U.S. Engineer Area Office, Fort Townsend, Wash
Prepared Sept. 12, 1942

Dr. *[Signature]*
Asst. Engineer
Submitted
72 2727-116
Capt. C.E. Area Engineer

Approved: *[Signature]*
Capt. C.E. Area Engineer

EXHIBIT NO. 41 B

STRAIT OF JUAN DE FUCA



PROPOSED
SL No. 51 (P)

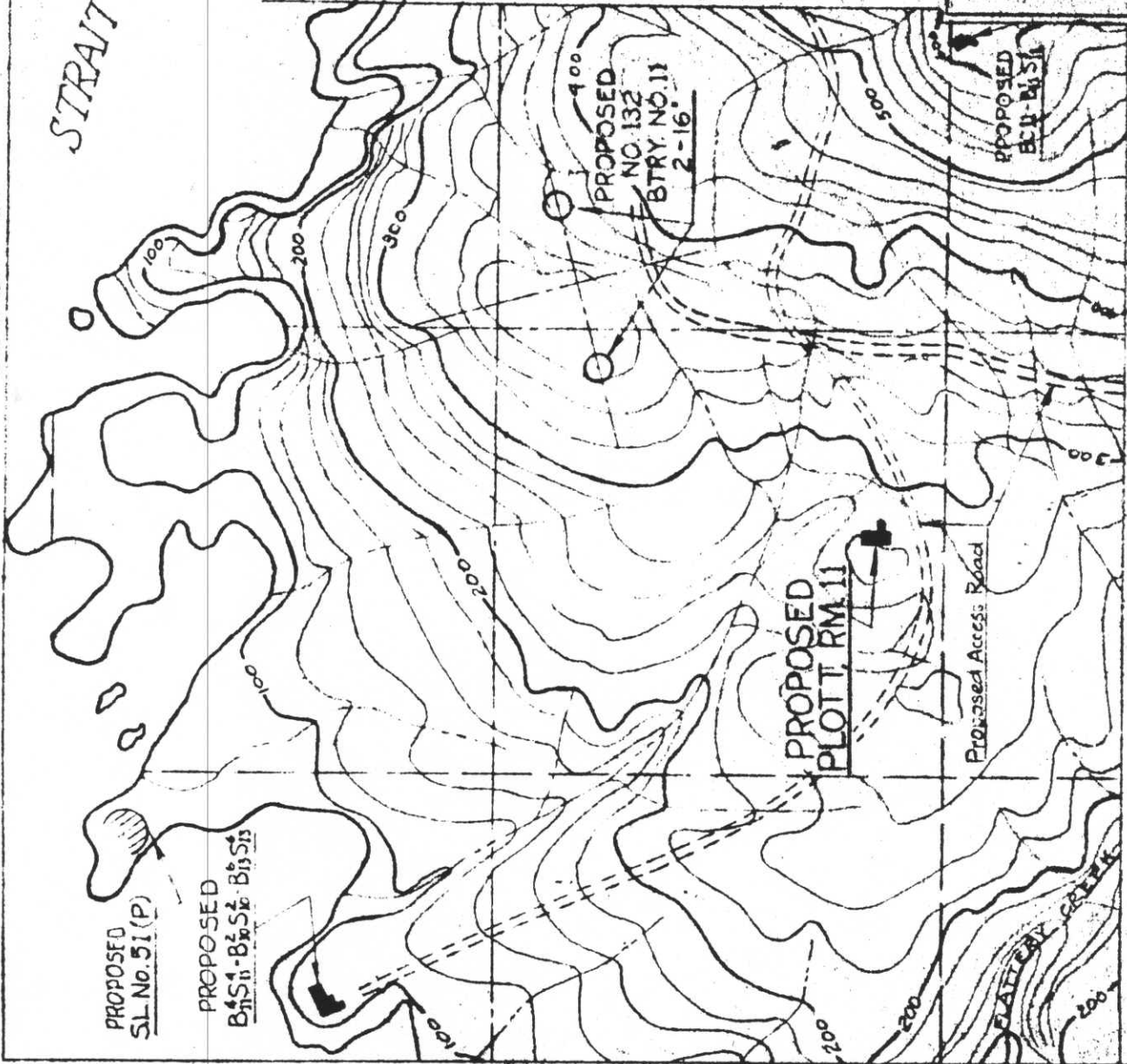
PROPOSED
Bn S1-B2 S2 B3 S3

REMARKS:

For Type of Construction see
Type Plans of Plotting and
Switchboard Structure for
16 inch Emplacement, Constr-
uction Division, Office C of E,
File No 188-70-66 in 3 sheets
Excavation Consists Mainly of
Solid Rock

REFERENCE:

See Installation Map, Exhibit No. 5A



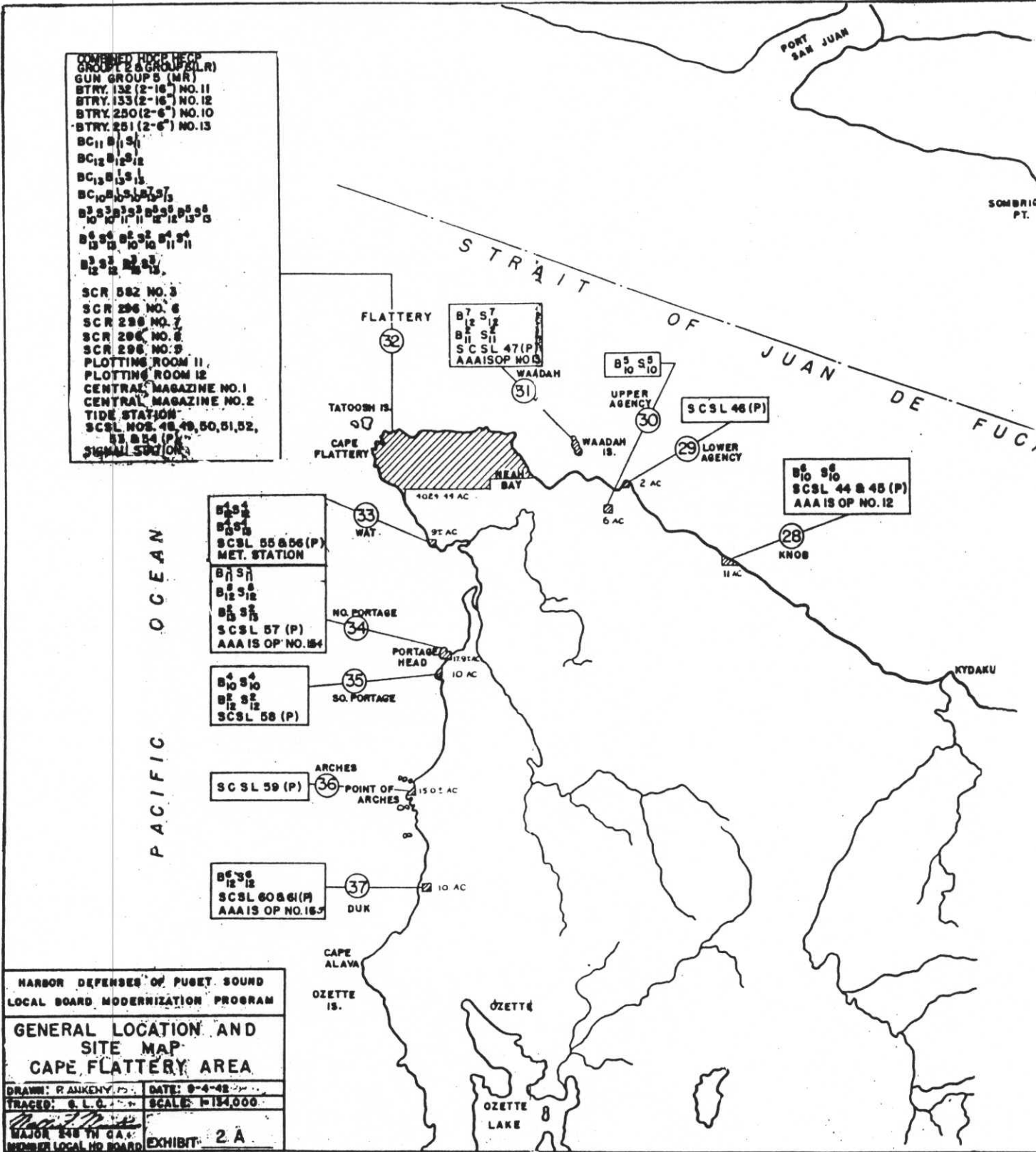
VICINITY MAP
"FLATTERY CREEK"
Datum is Mean Sea Level
Scale 1" = 500'

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
PLOTT. ROOM 11
FLATTERY CREEK
In 1 Sheet
Scale 1" = 500'
U.S. Engineer Area Office, Port Townsend, Wash.
Sept. 11, 1942
Prepared by *[Signature]*
Asst. Engineer
Submitted by *[Signature]*
Approved by *[Signature]*
Asst. Area Engineer

EXHIBIT NO. 40B

FILE NO.

COMBINED HQCP REGP
 GROUP 2 & GROUP 2(LR)
 GUN GROUP 5 (MR)
 BTRY. 132 (2-16") NO. 11
 BTRY. 133 (2-16") NO. 12
 BTRY. 250 (2-6") NO. 10
 BTRY. 251 (2-6") NO. 13
 BC₁₁ 8₁ 3₁
 BC₁₂ 8₁ 2₁
 BC₁₃ 8₁ 3₁
 BC₁₀ 8₁ 5₁ 7₁
 B₂ 3₂ 3₂ 3₂ 3₂ 3₂ 3₂
 10 10 11 11 11 11 11 11 11 11
 B₃ 3₃ 3₃ 3₃ 3₃ 3₃ 3₃
 12 12 12 12 12 12 12 12 12 12
 SCR 582 NO. 3
 SCR 296 NO. 6
 SCR 296 NO. 7
 SCR 296 NO. 8
 SCR 296 NO. 9
 PLOTTING ROOM 11
 PLOTTING ROOM 12
 CENTRAL MAGAZINE NO. 1
 CENTRAL MAGAZINE NO. 2
 TIDE STATION
 SCSL NOS. 48, 49, 50, 51, 52,
 53 & 54 (P)
 SIGNAL SECTION



HARBOR DEFENSES OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

**GENERAL LOCATION AND
 SITE MAP
 CAPE FLATTERY AREA**

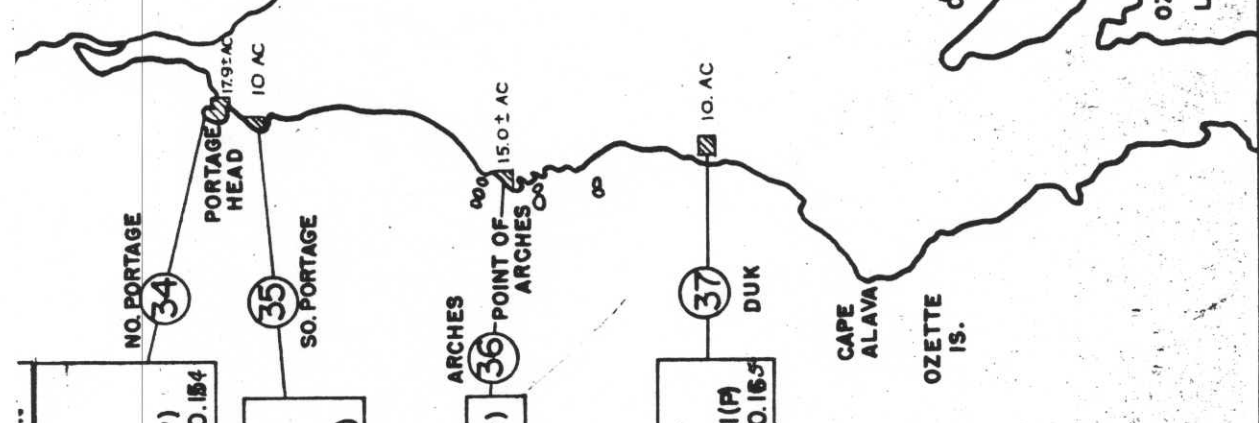
DRAWN: R. ANKENY
 TRACED: S. L. C.
 MAJOR 248 TH CA.
 NUMBER LOCAL NO. BOARD

DATE: 8-4-48
 SCALE: 1:154,000
 EXHIBIT: 2 A

KNOB

11 AC

KYDAKU



B1 S1
 B12 S12
 B15 S15
 SCSL 57 (P)
 AAAIS OP NO. 154

4 4
 B10 S10
 B12 S12
 SCSL 58 (P)

SCSL 59 (P)

B6 S6
 B12 S12
 SCSL 60 & 61 (P)
 AAAIS OP NO. 165

PACIFIC OCEAN

HARBOR DEFENSES OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

**GENERAL LOCATION AND
 SITE MAP
 CAPE FLATTERY AREA**

DRAWN: P. ANKENY DATE: 9-4-42
 TRACED: G. L. C. SCALE: 1:134,000

Major
 MAJOR 248 TH CA
 MEMBER LOCAL HD BOARD EXHIBIT 2 A

SECRET

PACIFIC OCEAN

B7 SH
B8 S10
B12 S12
B13 S13
SCSL 57 (P)
AAAIS OP NO. 154

B10 S10
B12 S12
SCSL 58 (P)

SCSL 59 (P)

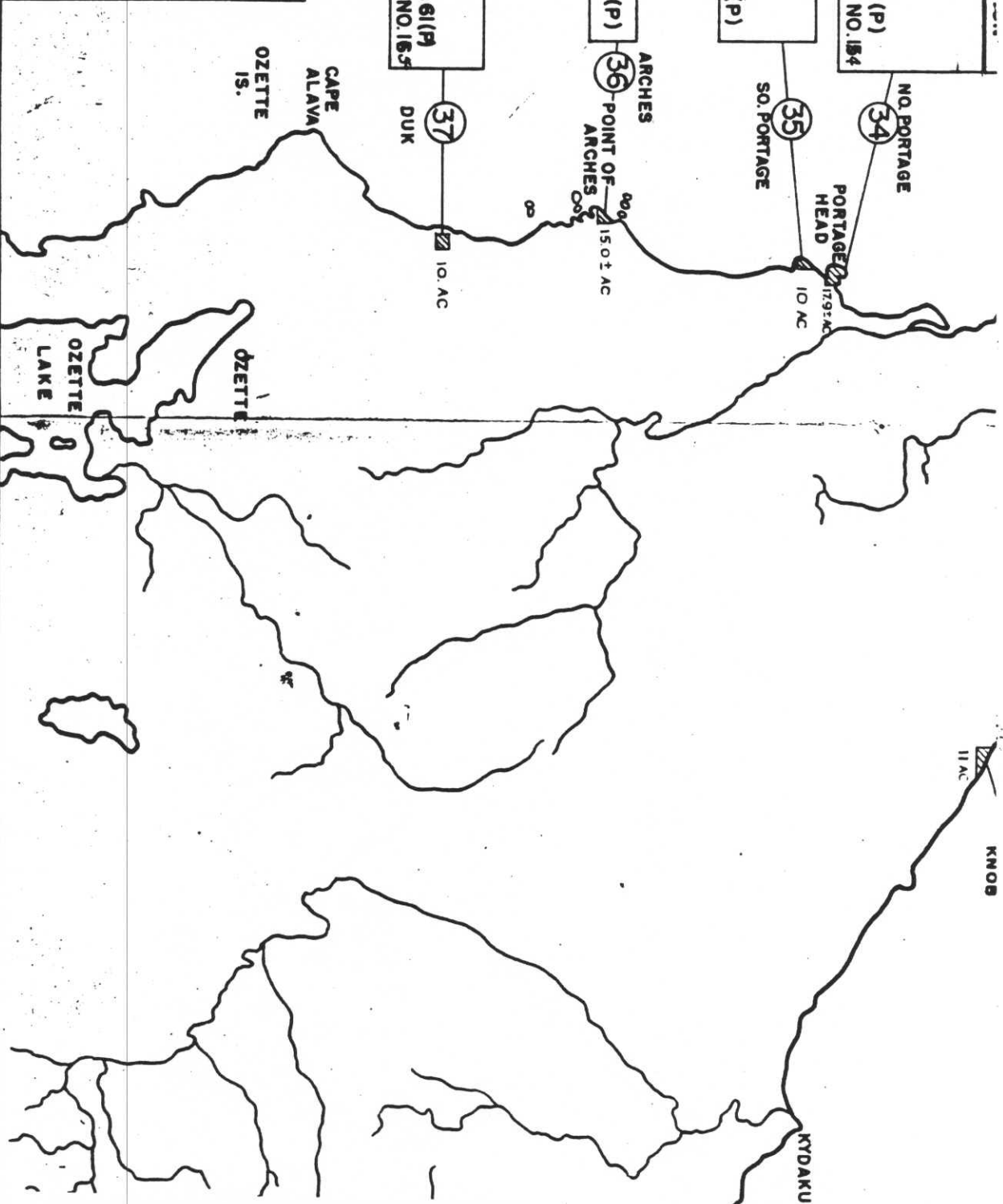
B6 S6
B12 S12
SCSL 60 & 61 (P)
AAAIS OP NO. 155

HARBOR DEFENSES OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

GENERAL LOCATION AND
SITE MAP
CAPE FLATTERY AREA

DRAWN: P. AUKENY
TRACED: G. L.G.
DATE: 9-4-42
SCALE: 1:154,000

MAJOR 248 TH CA
MEMBER LOCAL HD BOARD
EXHIBIT 2 A



SECRET

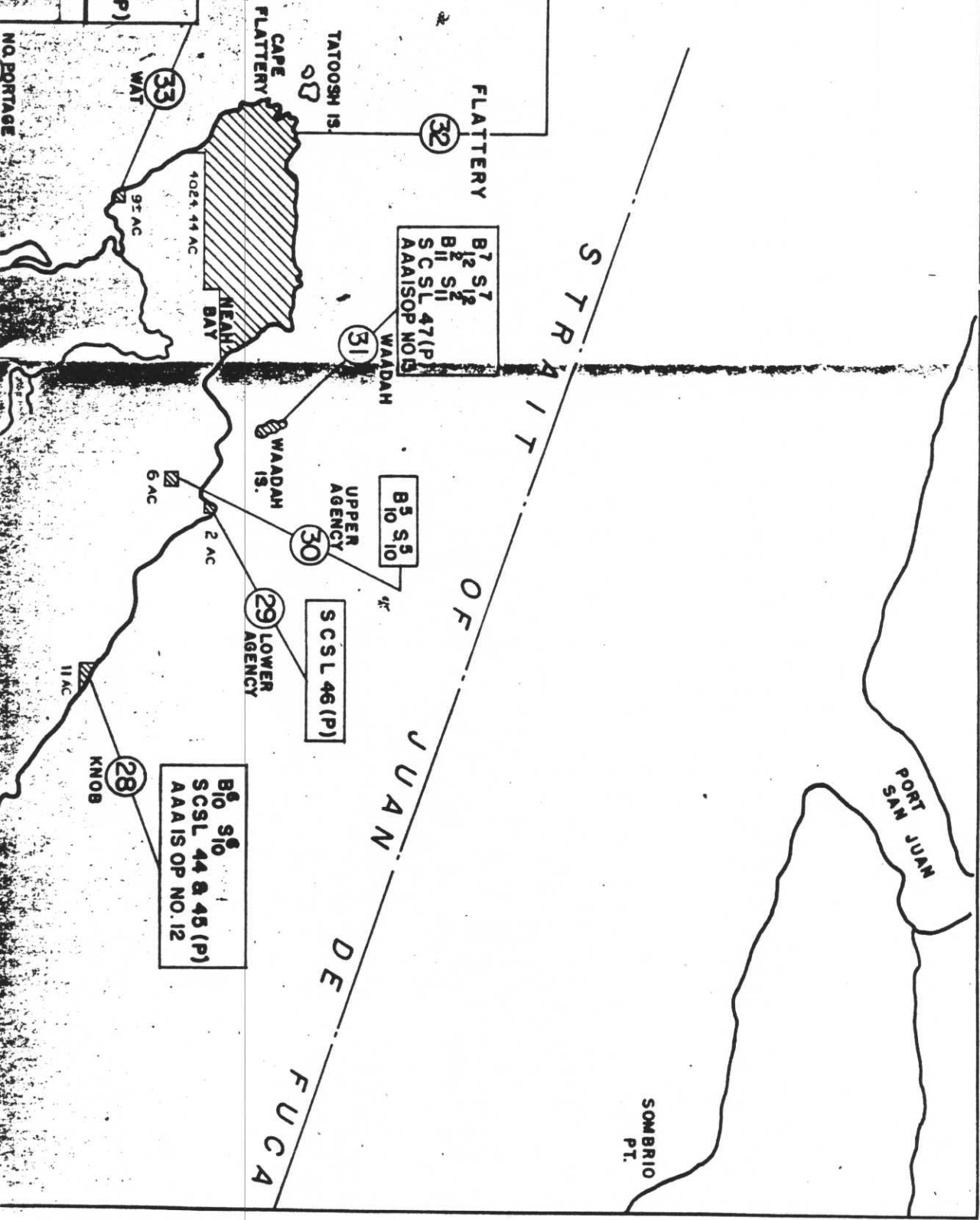
SECRET

COMBINED HQCP HECF
 GROUP 2 & GROUP 5 (LR)
 GUN GROUP 5 (MR)
 BTRY. 132 (2-16") NO. 11
 BTRY. 133 (2-16") NO. 12
 BTRY. 250 (2-6") NO. 10
 BTRY. 251 (2-6") NO. 13
 BC11 B1 S1
 BC12 B1 S1
 BC13 B1 S1
 BC10 B1 S1
 BC10 B1 S1
 B3 S3 B3 S3 B3 S3
 NO. 10 11 12 12 13 13
 B6 S6 B2 S2 B4 S4
 B3 S3 B2 S2
 B12 12 B2 S2
 SCR 592 NO. 3
 SCR 296 NO. 6
 SCR 298 NO. 7
 SCR 298 NO. 8
 SCR 298 NO. 9
 PLOTTING ROOM 11
 PLOTTING ROOM 12
 CENTRAL MAGAZINE NO. 1
 CENTRAL MAGAZINE NO. 2
 TIDE STATION
 SC SL NOS. 48, 49, 50, 51, 52,
 B3 S3 54 (P)
 SIGNAL STATION

CLEAN

B1 S1
 B4 S4
 B3 S3
 9C SL 55 & 56 (P)
 MET. STATION
 B1 S1
 B2 S2
 B3 S3
 B4 S4

NO PORTAGE



B10 S10
 SC SL 44 & 45 (P)
 AAISOP NO. 12

SC SL 46 (P)

B5 S5
 10 10

B7 S7
 B12 S12
 SC SL 47 (P)
 AAISOP NO. 10

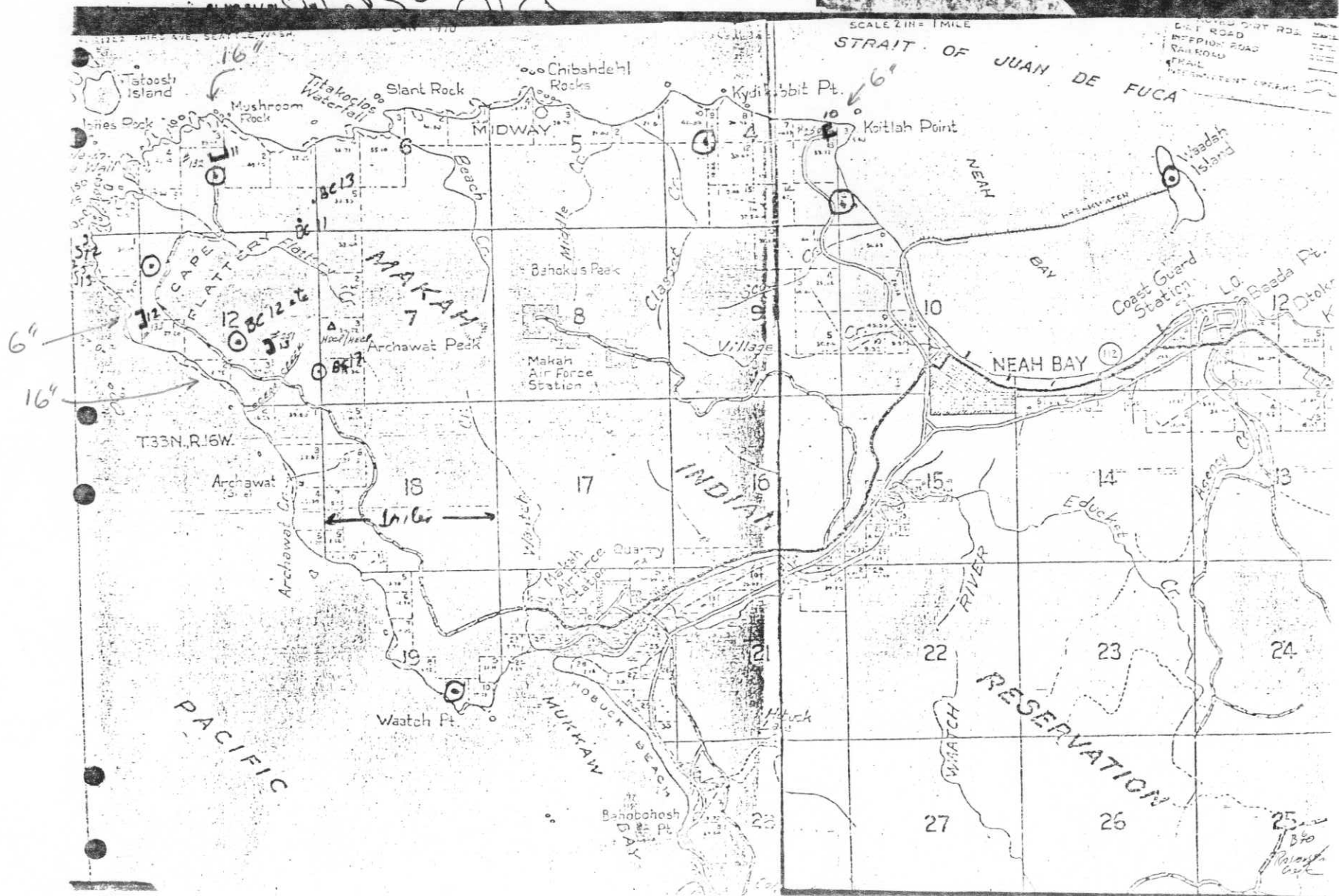
PORT SAN JUAN

SOMBRIO PT.

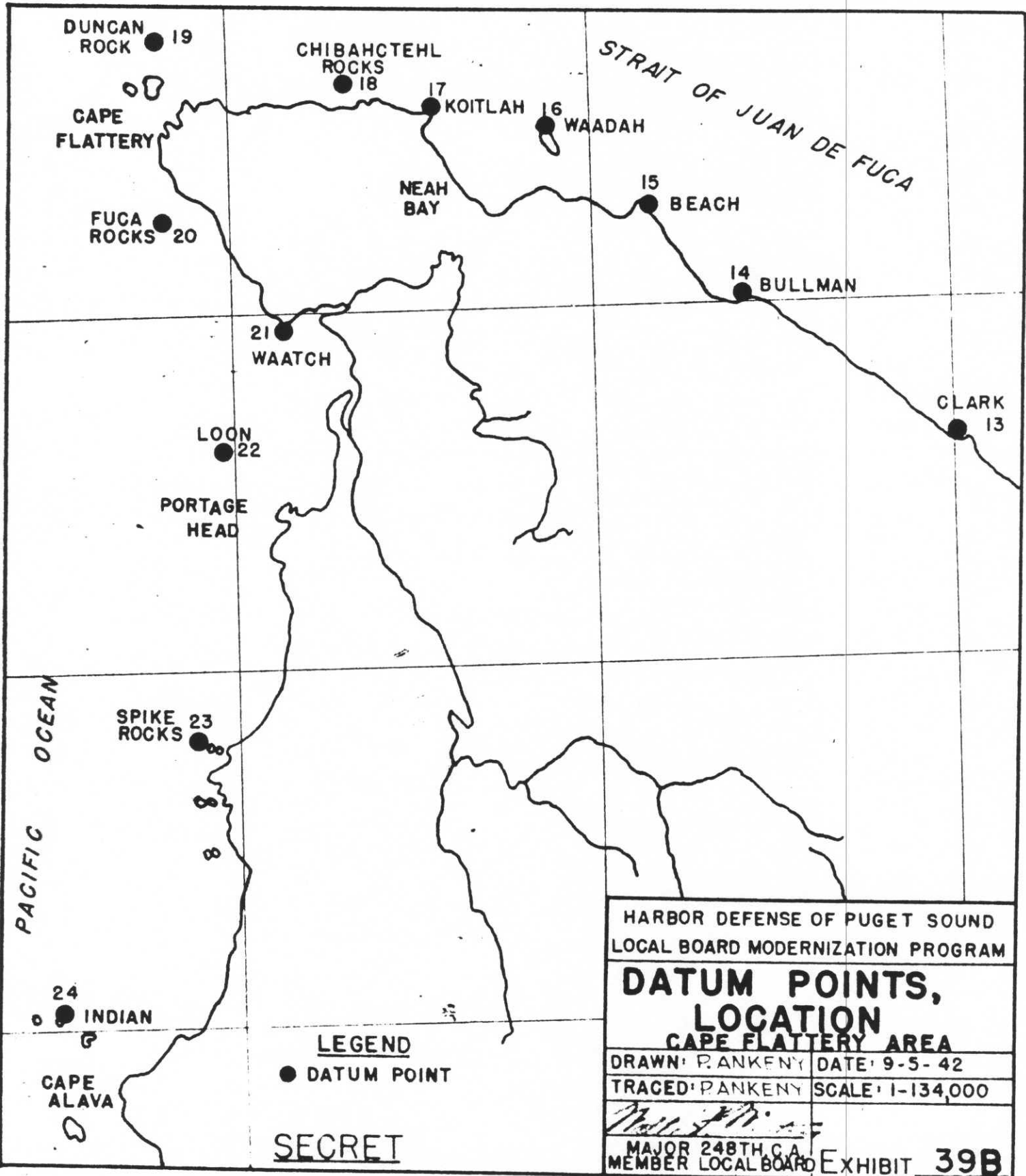
SCALE 2 IN = 1 MILE

STRAIT OF JUAN DE FUCA

DOTTED DIRT ROAD
DASHED ROAD
SOLID ROAD
RAILROAD
TRAIL
INTERMITTENT STREAM



B70
P
C



DUNCAN ROCK 19

CHIBAHCTEHL ROCKS 18

STRAIT OF JUAN DE FUCA

CAPE FLATTERY

17 KOITLAH 16 WAADAH

FUCA ROCKS 20

NEAH BAY

15 BEACH

14 BULLMAN

21 WAATCH

CLARK 13

LOON 22

PORTAGE HEAD

SPIKE ROCKS 23

PACIFIC OCEAN

24 INDIAN

LEGEND

● DATUM POINT

CAPE ALAVA

SECRET

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

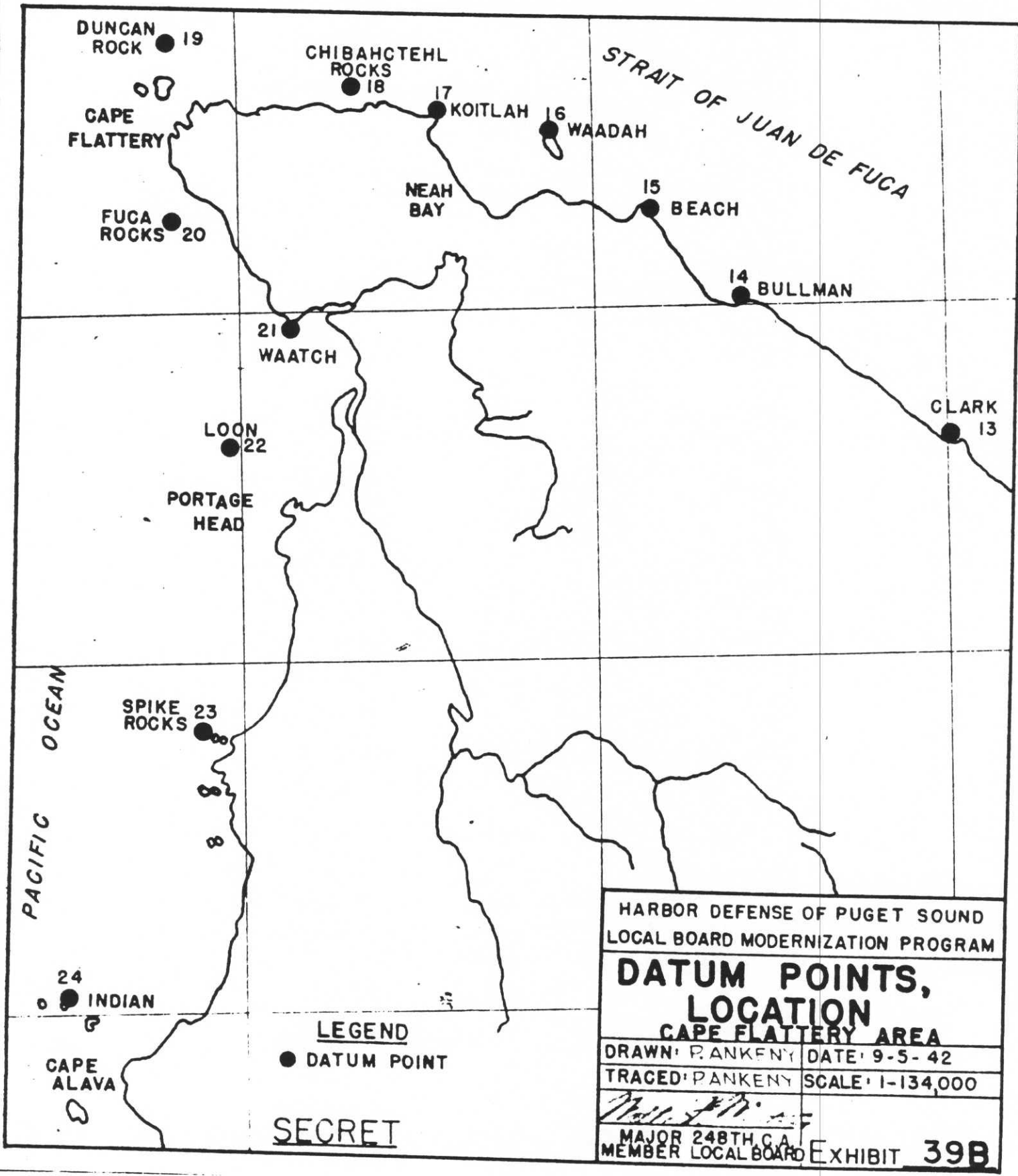
**DATUM POINTS,
LOCATION
CAPE FLATTERY AREA**

DRAWN: PANKENY DATE: 9-5-42

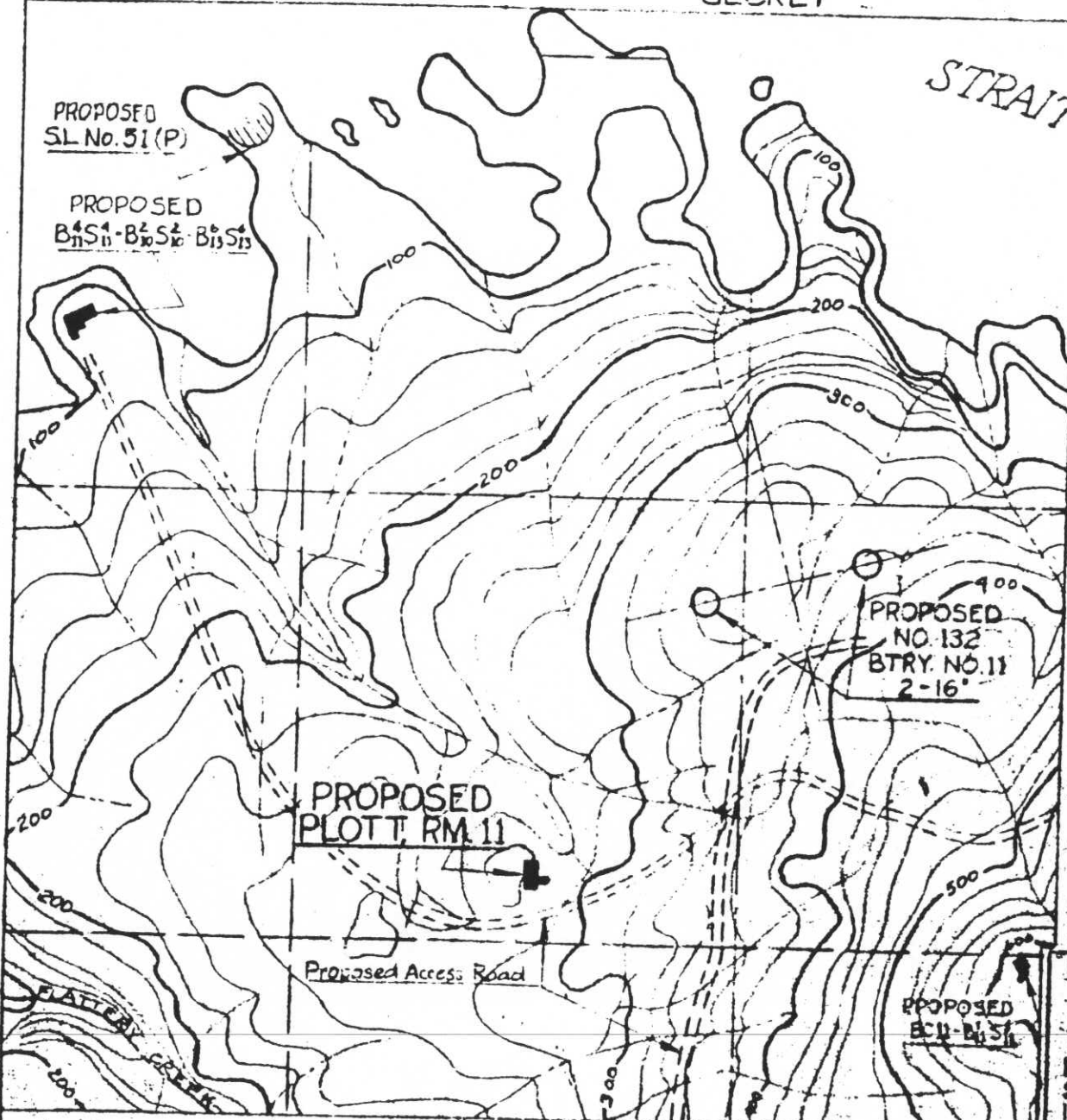
TRACED: PANKENY SCALE: 1-134,000

Major 248th C.A.

MAJOR 248TH C.A.
MEMBER LOCAL BOARD EXHIBIT 39B



STRAIT OF JUAN DE FUCA



REMARKS:

For Type of Construction see Type Plans of Plotting and Switchboard Structure for 16 inch Emplacement, Construction Division, Office C of E, File No 188-70-66, in 3 sheets. Excavation Consists Mainly of Solid Rock

REFERENCE:

See Installation Map, Exhibit No. 5A

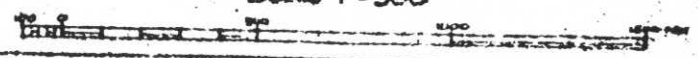
PROPOSED PLOTT. RM. 11

PROPOSED NO. 132 BTRY. NO. 11 2-16''

Proposed Access Road

PROPOSED BCU-B151

VICINITY MAP "FLATTERY CREEK" Datum is Mean Sea Level Scale 1"=500'

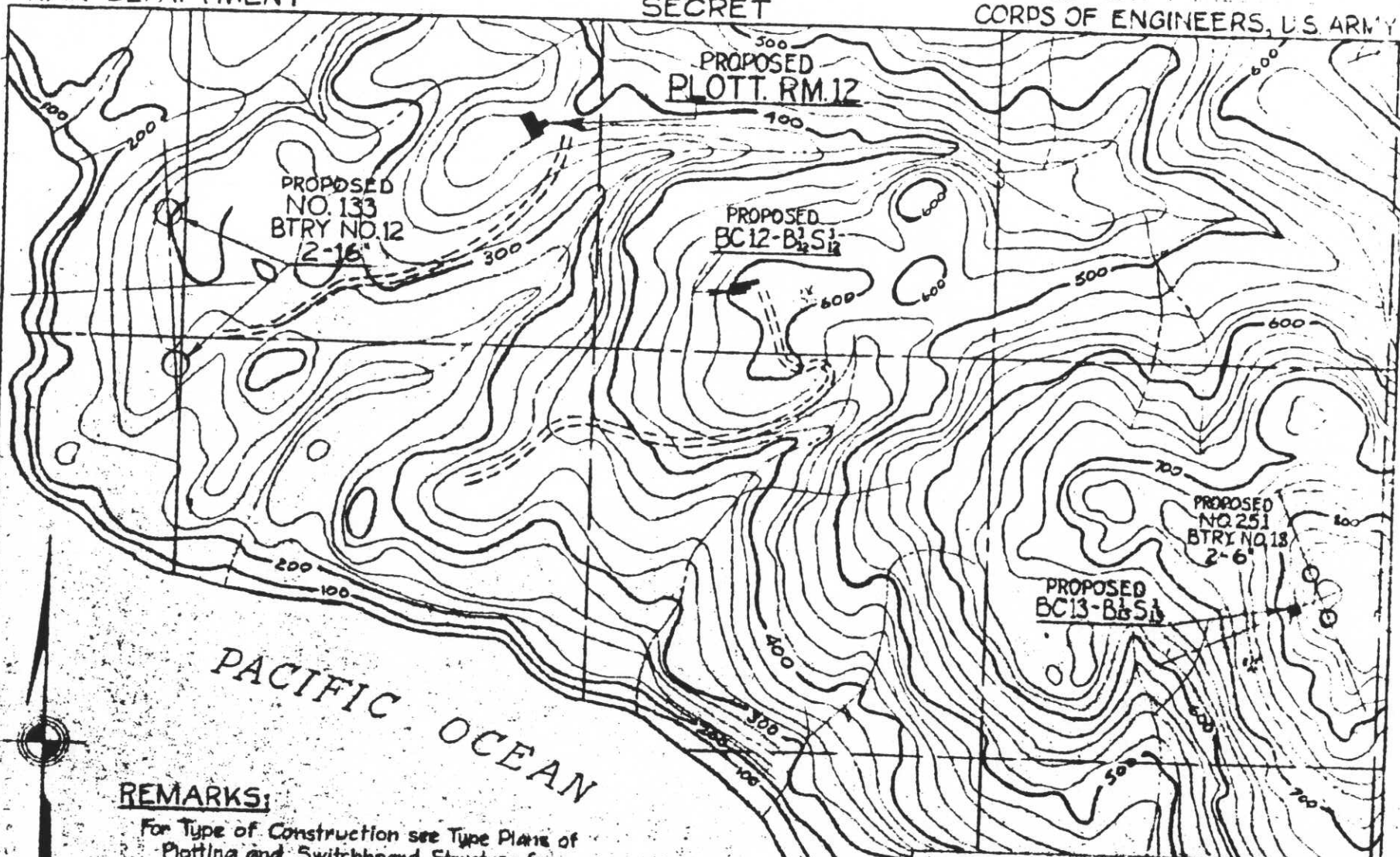


HARBOR DEFENSES OF PUGET SOUND

PROPOSED PLOTT. ROOM 11 FLATTERY CREEK

In 1 Sheet Scales as indicated
Scale 1"=500'
U.S. Engineer Area Office, Port Townsend, Wash.
Sept. 11, 1942
Prepared by: [Signature]
Submitted by: [Signature]
Approved by: [Signature]
Checked by: [Signature]
Area Engineer

EXHIBIT NO. 40B



PACIFIC OCEAN

REMARKS:

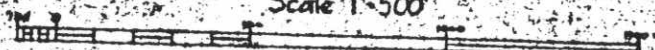
For Type of Construction see Type Plans of Plotting and Switchboard Structure for 16 inch Emplacements, Construction Division, Office C. of E. File No. 188-70-60, in 3 Sheets.

Excavation Consists Mainly of Solid Rock

REFERENCE:

See Installation Map, Exhibit No. 5A

VICINITY MAP
B. BLUFF
Datum is Mean Sea Level
Scale 1"=500'



HARBOR DEFENSES OF PUGET SOUND
PROPOSED PLOTT. ROOM 12
 B. BLUFF

In 1 Sheet Scales as indicated
 Scale 1"=500'

U.S. Engineer Area Office, Port Townsend, Wash.
 Prepared: _____
 Submitted: _____
 Approved: _____
 Lt. Col. Assoc. Engineer

7797A EXHIBIT NO. 41 B

SECRET

COMBINED HDCP HECP
 GROUP 2 & GROUP 6 (LR)
 GUN GROUP 5 (MR)
 BTRY. 132 (2-16") NO. 11
 BTRY. 133 (2-16") NO. 12
 BTRY. 250 (2-6") NO. 10
 BTRY. 251 (2-6") NO. 13
 BC₁₁ B₁₁ S₁₁
 BC₁₂ B₁₂ S₁₂
 BC₁₃ B₁₃ S₁₃
 BC₁₀ B₁₀ S₁₀ B₇ S₇
 B₁₀³ S₁₀³ B₁₁³ S₁₁³ B₁₂³ S₁₂³ B₁₃³ S₁₃³
 B₁₃⁶ S₁₃⁶ B₁₀² S₁₀² B₁₁⁴ S₁₁⁴
 B₁₂³ S₁₂³ B₁₃³ S₁₃³
 SCR 582 NO. 3
 SCR 296 NO. 6
 SCR 296 NO. 7
 SCR 296 NO. 8
 SCR 296 NO. 9
 PLOTTING ROOM 11
 PLOTTING ROOM 12
 CENTRAL MAGAZINE NO. 1
 CENTRAL MAGAZINE NO. 2
 TIDE STATION
 SCSL NOS. 48, 49, 50, 51, 52,
 53 & 54 (P)
 SIGNAL STATION

PORT SAN JUAN

SOMBRIO PT.

STRAIT OF JUAN DE FUCA

FLATTERY

B₁₂⁷ S₁₂⁷
 B₁₁² S₁₁²
 SCSL 47 (P)
 AAAISOP NO. 13

WAADAH

B₁₀⁵ S₁₀⁵
 UPPER AGENCY

SCSL 46 (P)

LOWER AGENCY

B₁₀⁶ S₁₀⁶
 SCSL 44 & 45 (P)
 AAAISOP NO. 12

TATOOSH IS.

CAPE FLATTERY

NEAH BAY

WAADAH IS.

2 AC

6 AC

11 AC

4024.44 AC

9 AC

KNOB

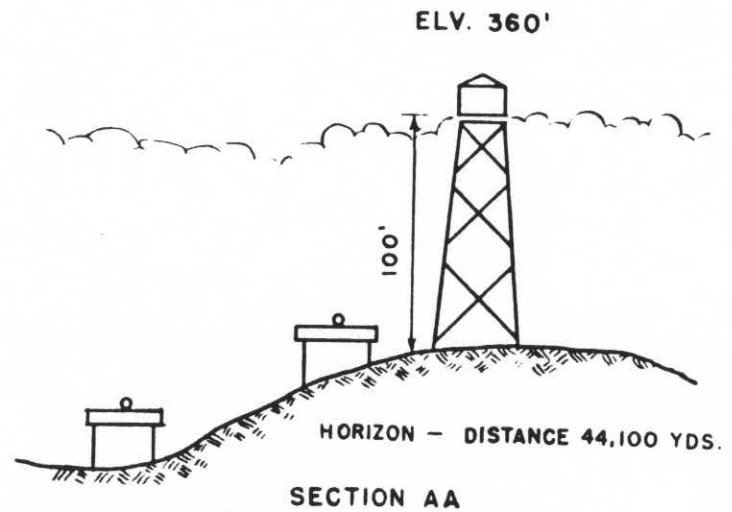
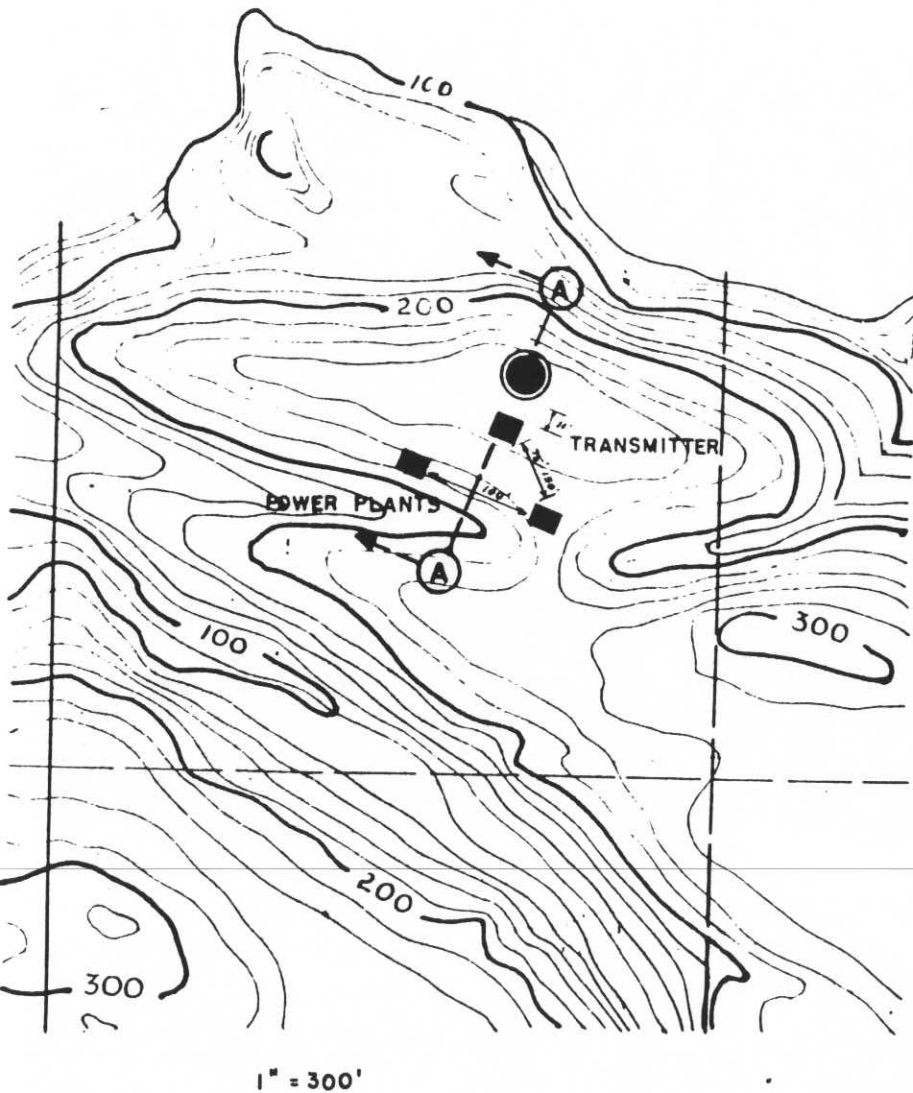
B₁₂⁴ S₁₂⁴
 B₁₃⁴ S₁₃⁴
 SCSL 55 & 56 (P)
 MET. STATION

B₁₁⁸ S₁₁⁸
 B₁₂⁸ S₁₂⁸
 B₁₃⁸ S₁₃⁸

NO. PORTAGE

OCEAN

SECRET



HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

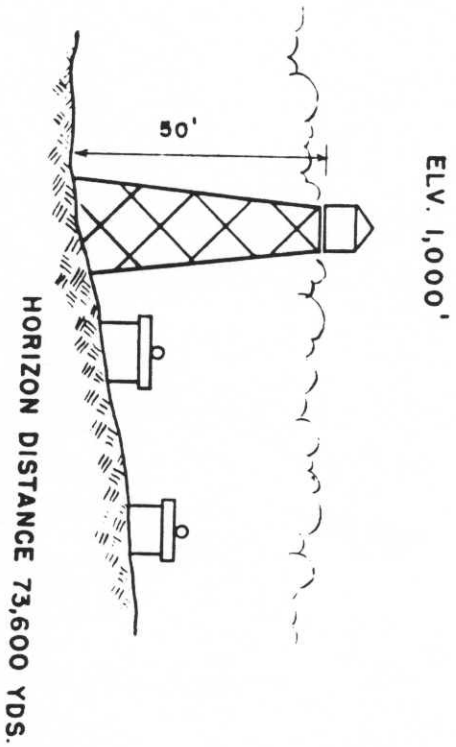
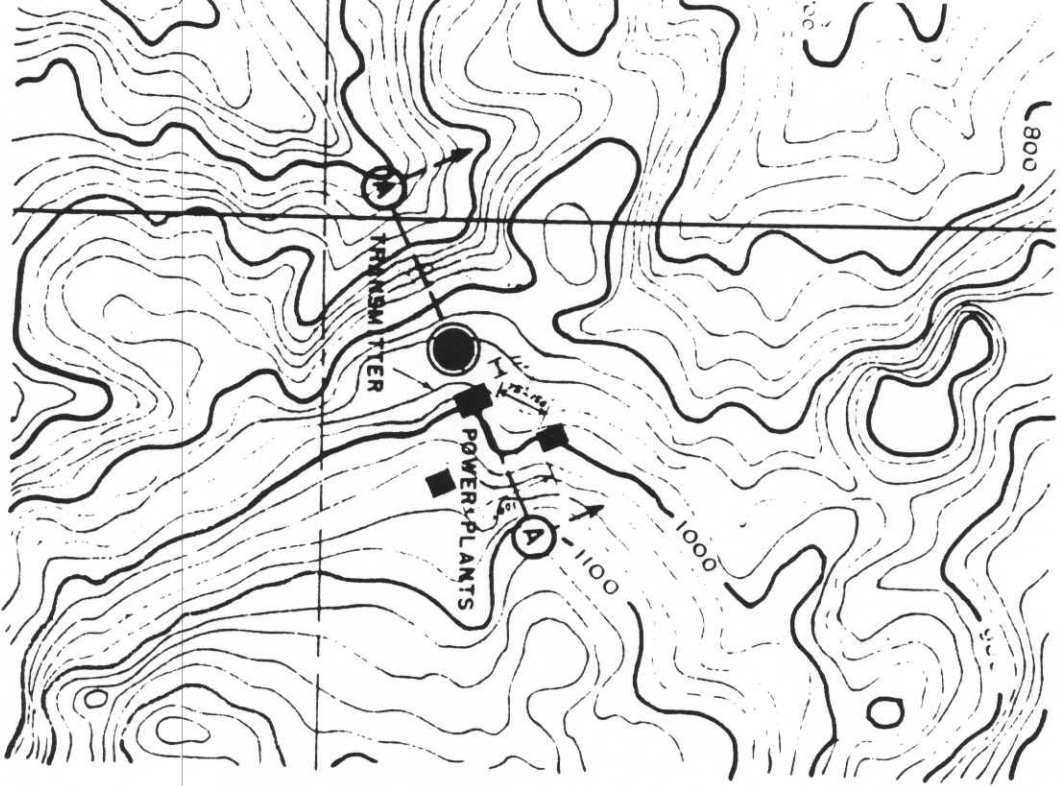
INSTALLATION SCR 296
(BTRY.10)NO.6
CAPE FLATTERY AREA

DRAWN G. CHETLE DATE 9/27/42
TRACED G. CHETLE SCALE AS SHOWN

G. Chettle
MAJOR 248TH.C.A.
MEMBER LOCAL HD BOARD EXHIBIT 26B

SECRET

SECRET



SECTION AA

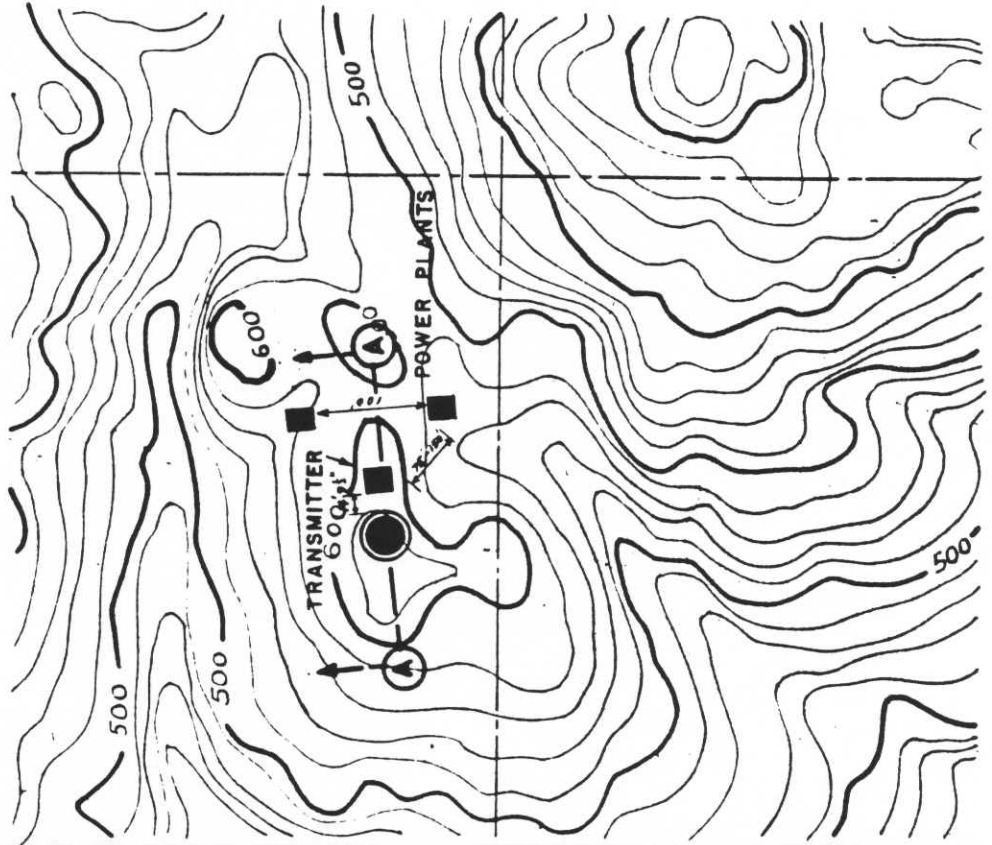
HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

INSTALLATION SCR 2 9 6
(BTRY. 13) NO. 9
CAPE FLATTERY AREA

DRAWN G CHETTLE	DATE 9/26/42
TRACED G CHETTLE	SCALE AS SHOWN
MAJOR 248TH C.A. MEMBER LOCAL HD BOARD	EXHIBIT 27 B

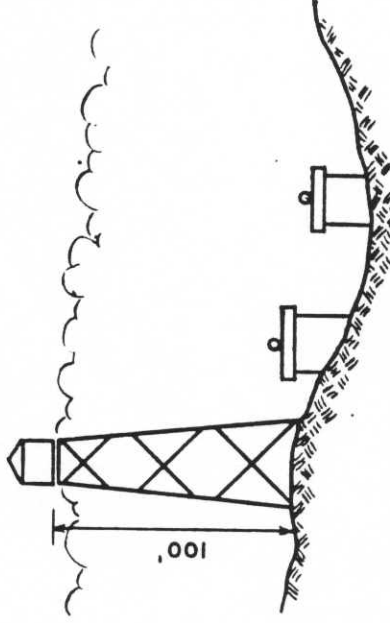
SECRET

SECRET



SCALE 1" = 300'

ELV. 720'



HORIZON DISTANCE 62,400 YDS.

SECTION AA

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

INSTALLATION SCR 296
(BTRY 12) NO.8

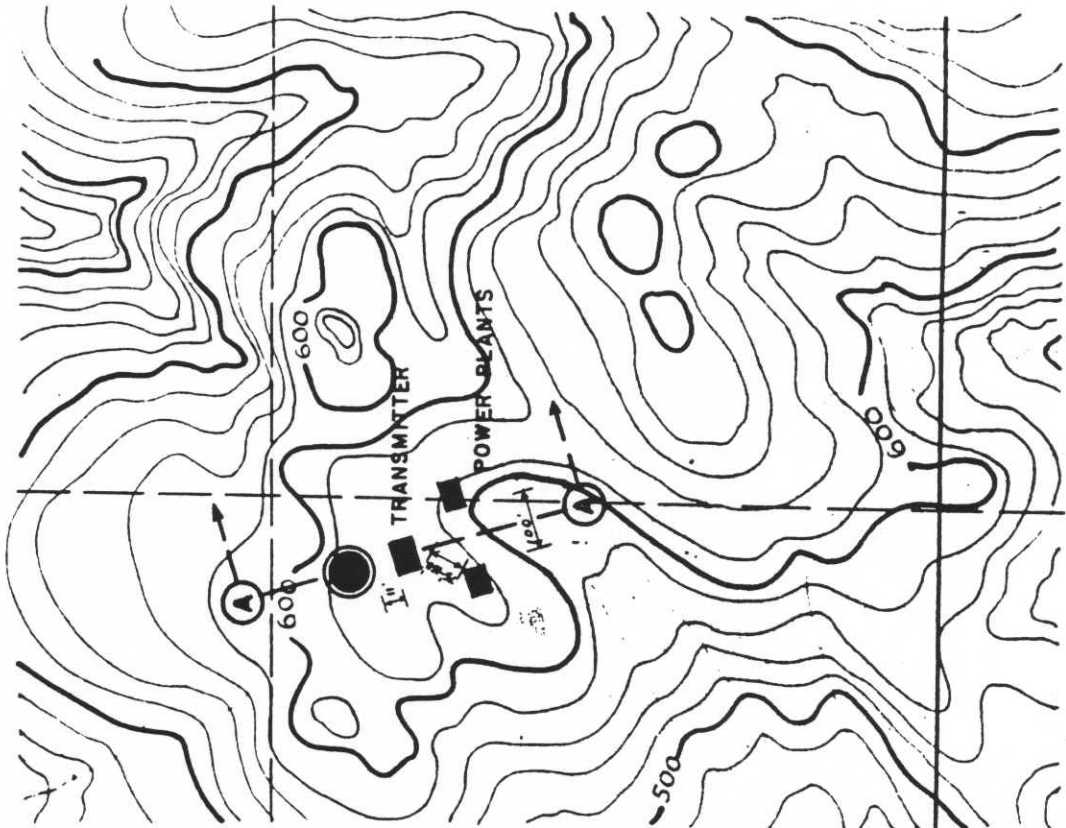
CAPE FLATTERY AREA

DRAWN G. CHETTLE DATE 9/27/42
TRACED G. CHETTLE SCALE AS SHOWN

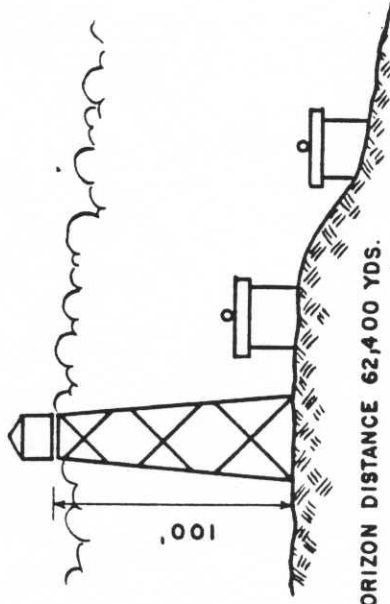
G. Chettle
MAJOR 248TH C.A.
MEMBER LOCAL HD BOARD

EXHIBIT 28B

SECRET



ELV. 720'



SECTION AA

4"

HARBOR DEFENSE OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

INSTALLATION SCR 296
 (BTRY.11) NO.7

CAPE FLATTERY AREA

DRAWN G. CHETTEL DATE 9/26/42

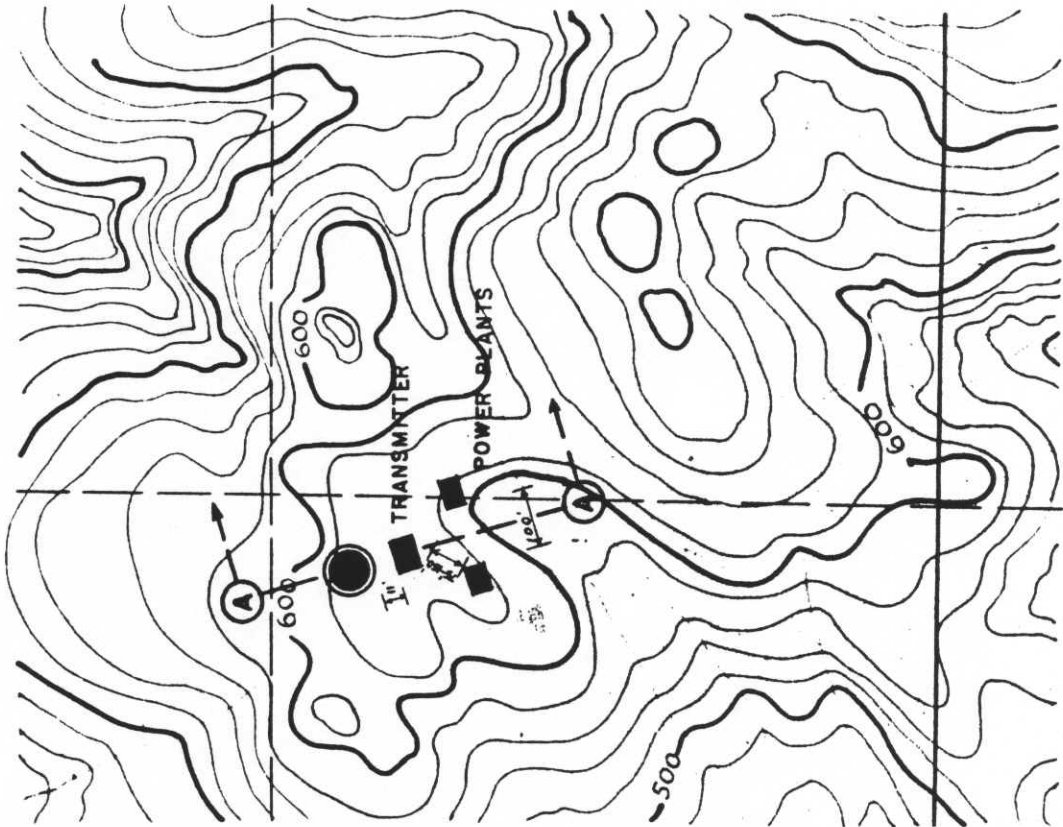
TRACED G. CHETTEL SCALE AS SHOWN

[Signature]
 MAJOR 248 TH. C.A.
 MEMBER LOCAL HD. BOARD

EXHIBIT 29 B

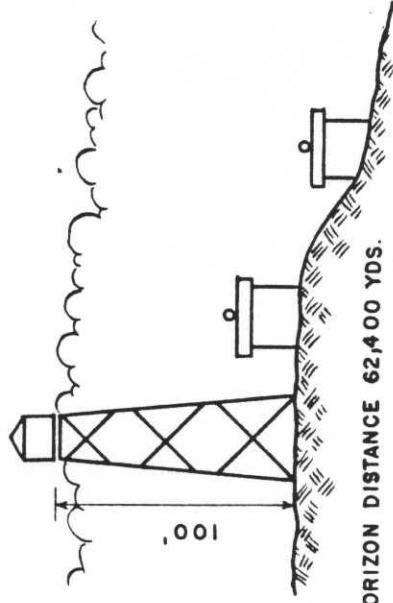
SECRET

SECRET



SCALE 1"=300'

ELV. 720'



HORIZON DISTANCE 62,400 YDS.

SECTION AA

1/4"

HARBOR DEFENSE OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

INSTALLATION SCR 296
 (BTRY.11) NO.7

CAPE FLATTERY AREA

DRAWN G. CHETTEL

DATE 9/26/42

TRACED G. CHETTEL

SCALE AS SHOWN

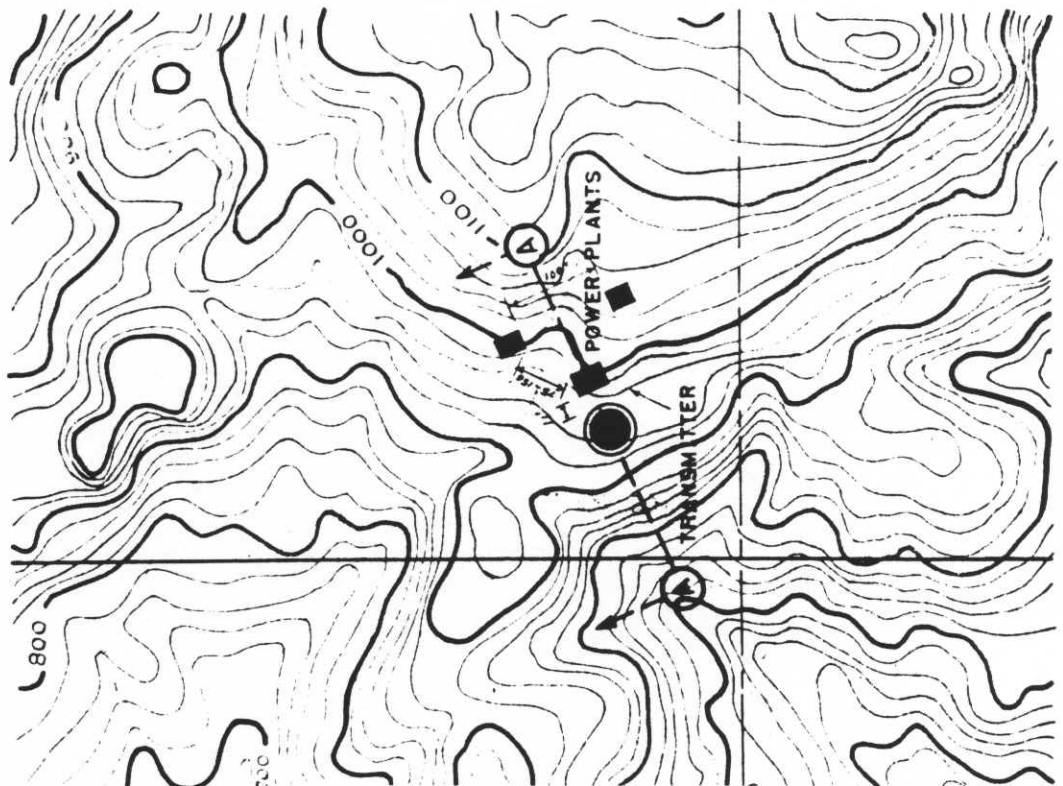
[Signature]
 MAJOR 248TH.C.A.

MEMBER LOCAL HD. BOARD

EXHIBIT 29 B

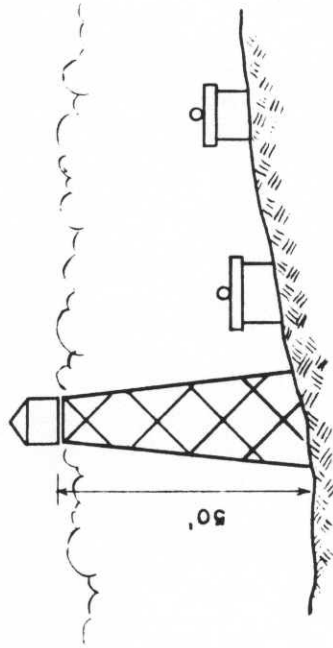
SECRET

SECRET



SCALE 1" = 300'

ELV. 1,000'



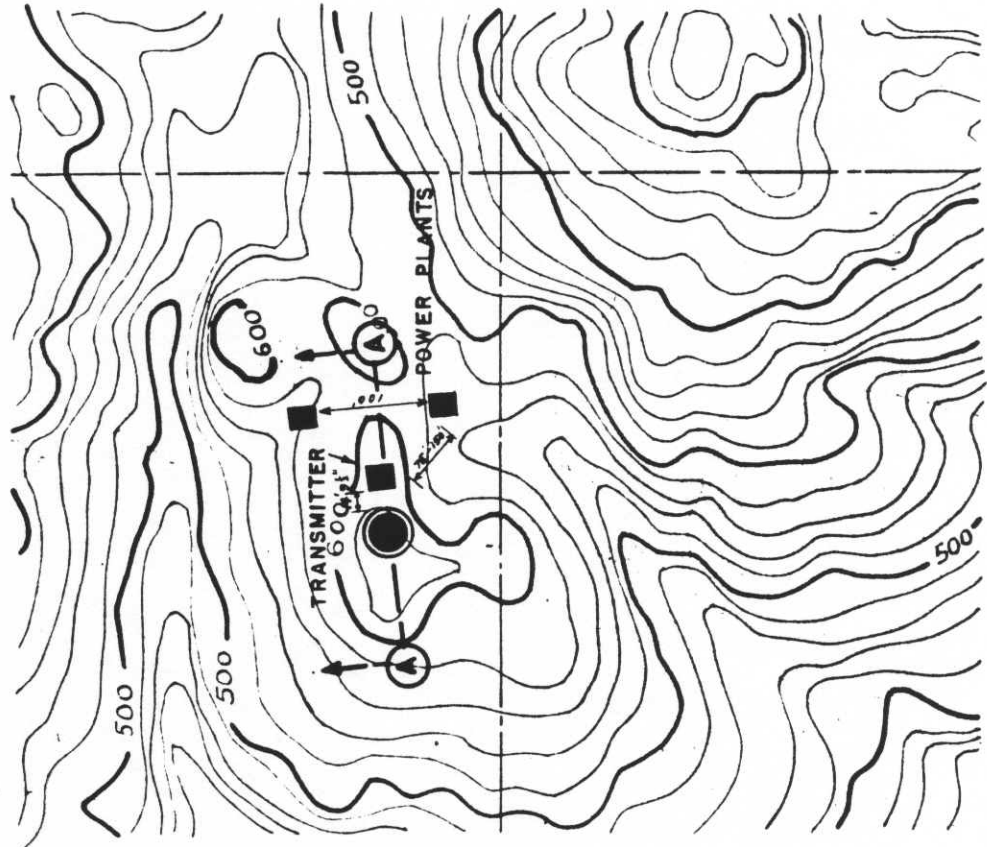
HORIZON DISTANCE 73,600 YDS.

SECTION A A

HARBOR DEFENSE OF PUGET SOUND LOCAL BOARD MODERNIZATION PROGRAM		INSTALLATION SCR 296 (BTRY.13) NO 9	DATE 9/26/42
CAPE FLATTERY AREA		SCALE AS SHOWN	MEMBER LOCAL HD BOARD
DRAWN G CHETTLE		MAJOR 248TH C.A.	
TRACED G CHETTLE		EXHIBIT 27 B	

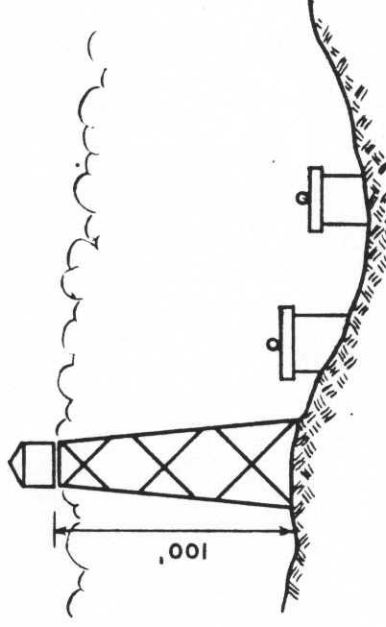
SECRET

SECRET



SCALE 1" = 300'

ELV. 720'



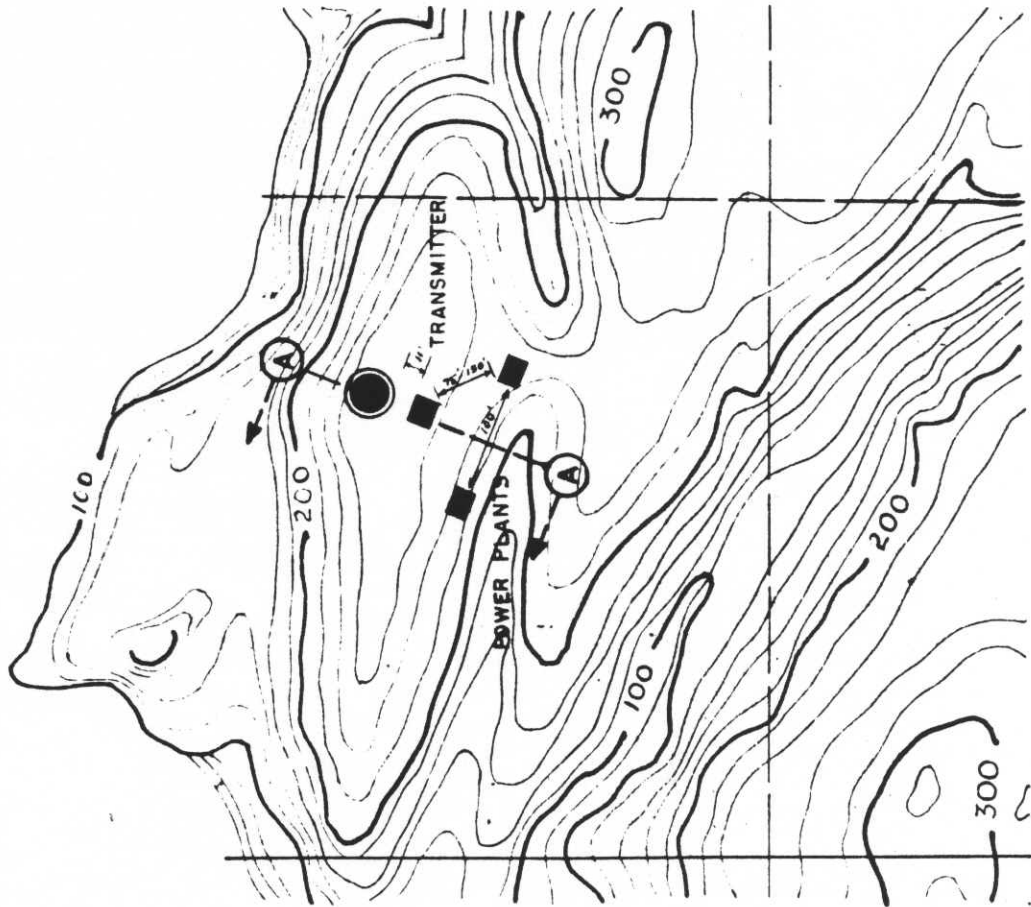
HORIZON DISTANCE 62,400 YDS.

SECTION AA

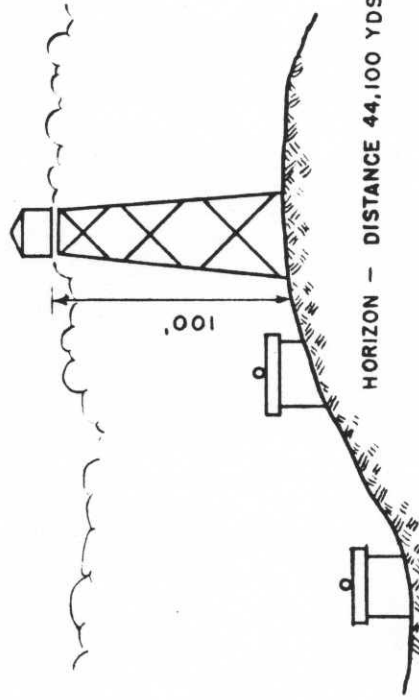
HARBOR DEFENSE OF PUGET SOUND LOCAL BOARD MODERNIZATION PROGRAM		DATE 9/27/42
INSTALLATION SCR 296 (BTRY 12) NO. 8		SCALE AS SHOWN
CAPE FLATTERY AREA		
DRAWN G. CHETTLE	TRACED G. CHETTLE	
<i>G. Chettle</i>		
MAJOR 248TH C.A.		EXHIBIT 28B
MEMBER LOCAL HD BOARD		

SECRET

SECRET



ELV. 360'



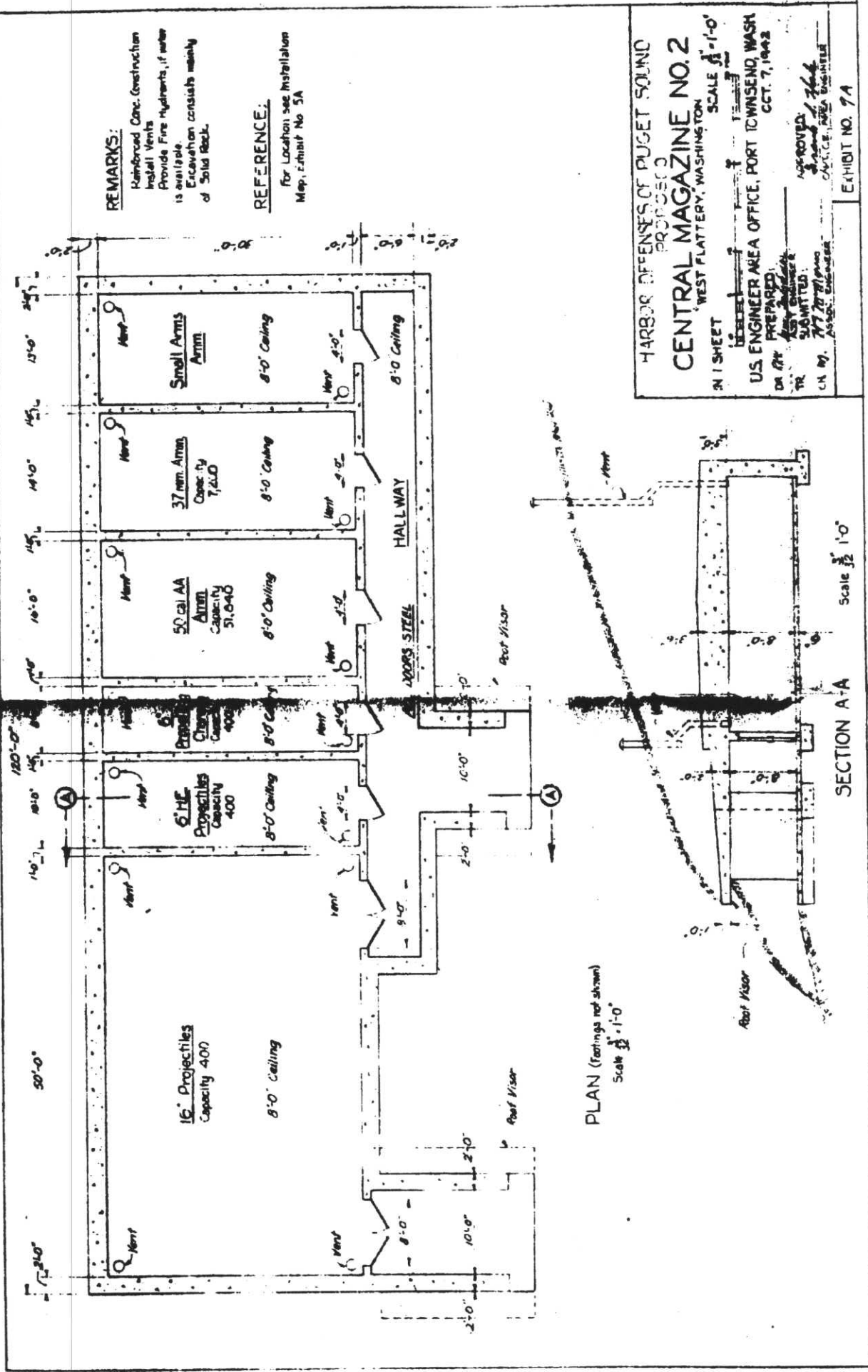
SECTION AA

HARBOR DEFENSE OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

INSTALLATION SCR 296
 (BTRY.10)NO.6
 CAPE FLATTERY AREA

DRAWN G CHETTLE	DATE 9/27/42
TRACED G CHETTLE	SCALE AS SHOWN
MAJOR 248TH.C.A. MEMBER LOCAL HD BOARD	
EXHIBIT 26B	

SECRET



REMARKS:

Reinforced Conc. Construction
 Install Vents
 Provide Fire Hydrants, if water
 is available.
 Excavation consists mainly
 of Solid Rock.

REFERENCE:

For Location see Installation
 Map, Exhibit No 5A

HARBOR DEFENSES OF PUGET SOUND
 PROJECT

CENTRAL MAGAZINE NO. 2

WEST FLATTERY, WASHINGTON
 SCALE 3/8" = 1'-0"

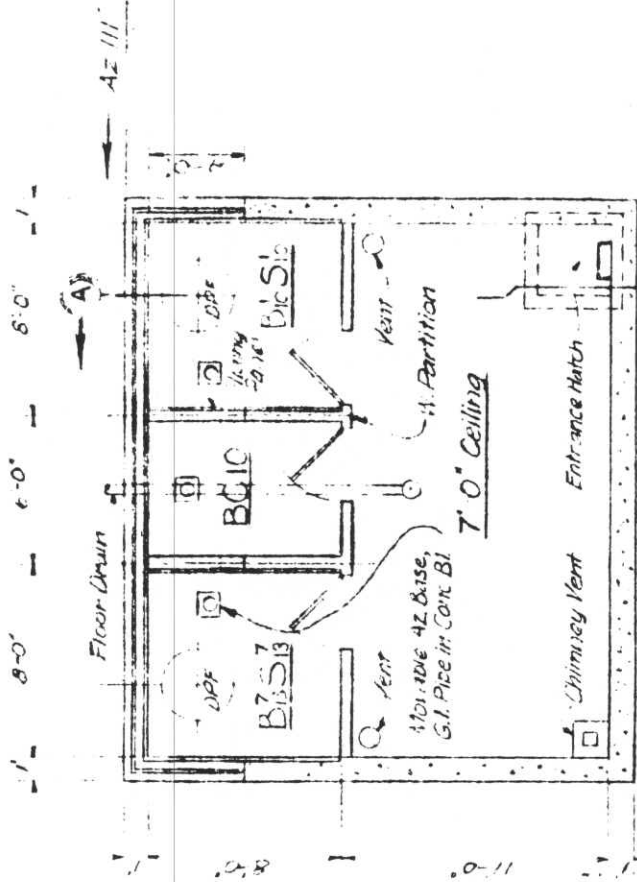
U.S. ENGINEER AREA OFFICE, PORT TO WISENO, WASH
 OCT. 7, 1942

APPROVED: [Signature]
 OFFICE, AREA ENGINEER

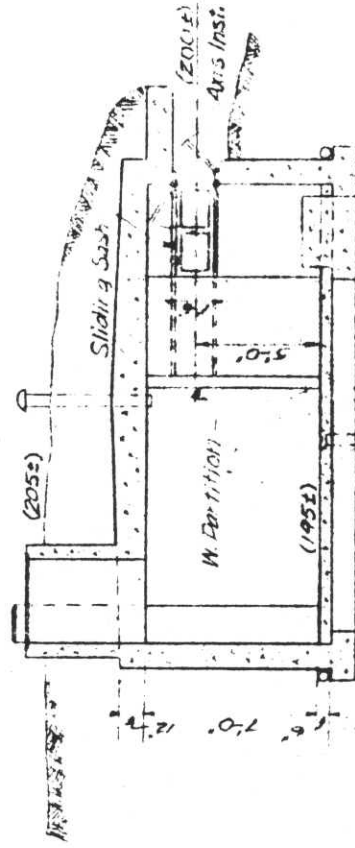
EXHIBIT NO. 7A

PLAN (Fittings not shown)
 Scale 3/8" = 1'-0"

SECTION A-A
 Scale 3/8" = 1'-0"



PLAN (Footings not shown)
Scale $\frac{1}{8}'' = 1'-0''$



SECTION A-A
Scale $\frac{1}{8}'' = 1'-0''$

REMARKS:

Reinforced Concrete Construction
Install Vents, Chimney and Stove
Provide Vison in Front of Slots
Provide Window Sash for Inside of Slots
Construct Access Road
Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level
For Location see Installation Map
Exhibit No 5A

HARBOR DEFENSES OF PUGET SOUND

PROPOSED
BC10-B10S10-B13S7
"KOTILAH PT."

In 1 Sheet
Scale $\frac{1}{8}'' = 1'-0''$
Scales as indicated
U.S. Engineers Area Office, Port Townsend, Wash.
Sept. 7, 1942

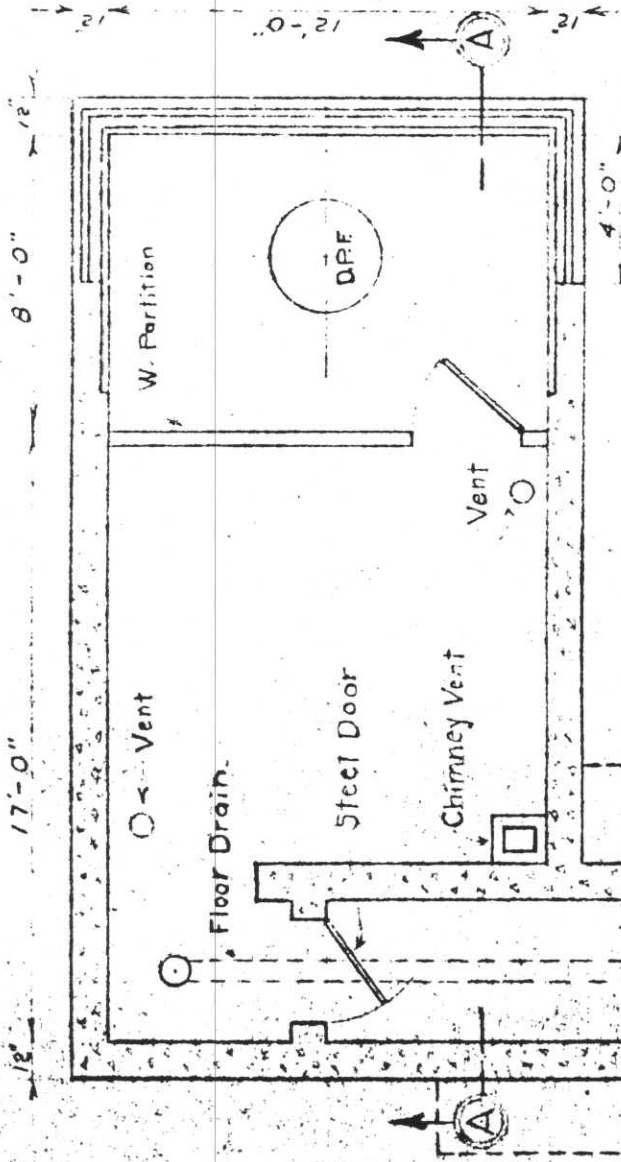
Prepared by
L. S. ...

Submitted by
A. J. ...

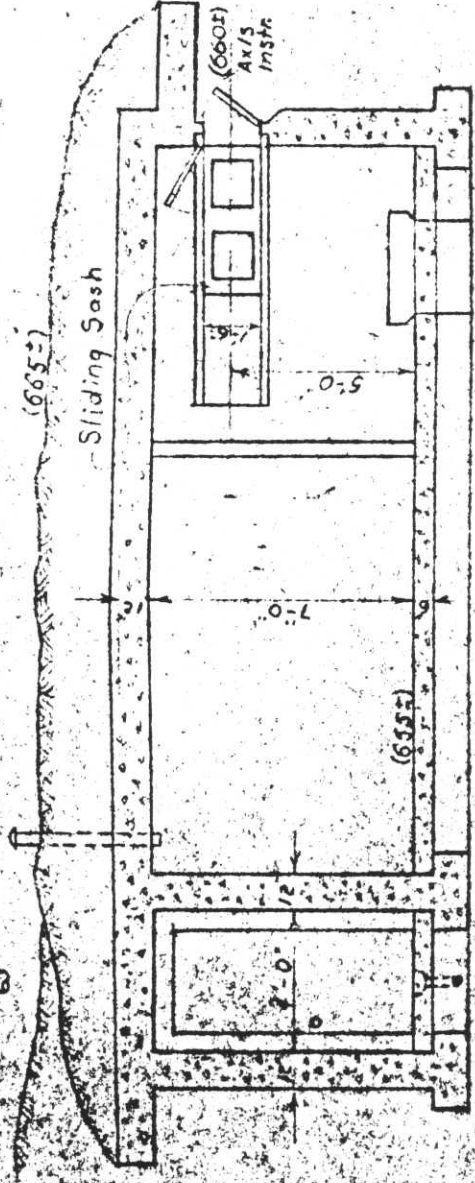
Approved:
R. ...

Ch. of Assoc. Engineer
Capt. ...

EXHIBIT NO. 38 B



PLAN (Footings not shown)
Scale $\frac{1}{4}'' = 1'-0''$



SECTION A-A
Scale $\frac{1}{4}'' = 1'-0''$

REMARKS

Reinforced Concrete Constr.
Install Vents Chimney and Stove
Provide Visors in Front of Slots
Provide Window Sash for
inside of Slots
Excavation consists mainly of solid Rock
Construct Access Road

REFERENCE

Datum is Mean Sea Level
For Location see Installation
Map, Exhibit No. 5A

HARBOR DEFENSES OF PUGET SOUND
PROPOSED

GP CP 5

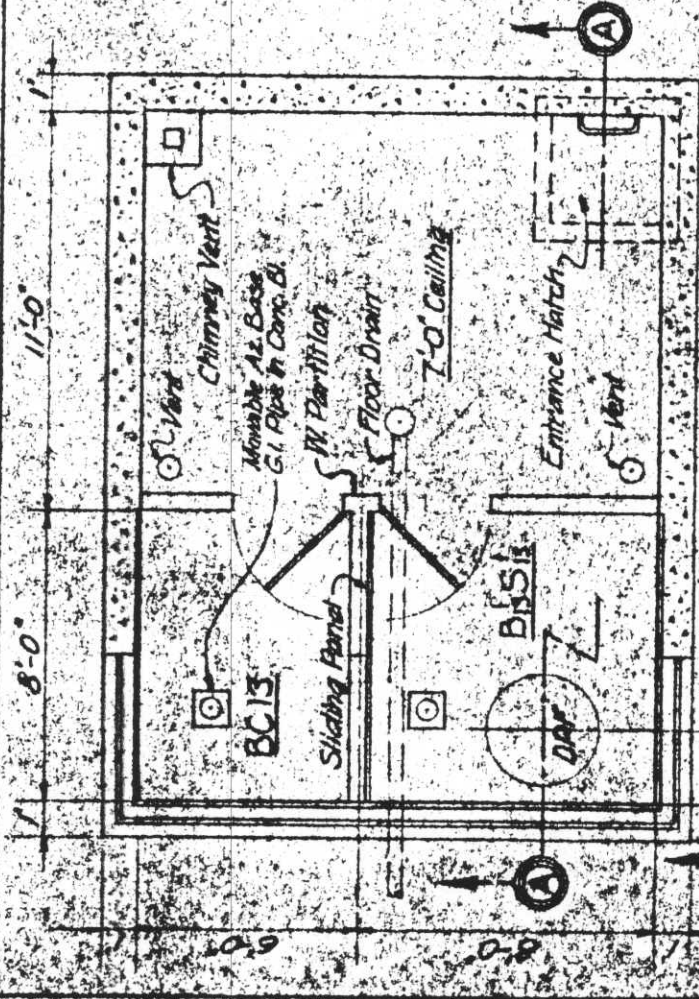
"UPPER FLATTERY"
Scale $\frac{1}{4}'' = 1'-0''$

In 1 Sheet
U.S. Engineer Area Office Port Townsend, Wash.
Prepared: Sept. 12, 1942

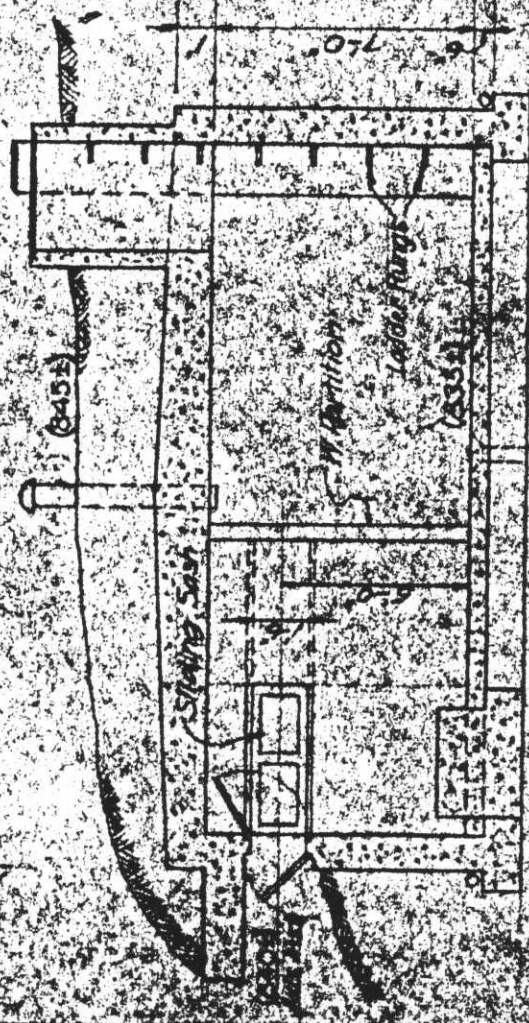
Dr. Wm. H. ...
ASST. ENGINEER
Subm. filed:
Sept. 21, 1942
Assoc. Engineer

Approved:
Capt. C.E. Area Engineer

EXHIBIT NC 368



PLAN (Footings not shown)
Scale 1/4" = 1'-0"



SECTION AA
Scale 1/4" = 1'-0"

REMARKS:

Reinforced Concrete Construction
 Install Vents, Chimney and Stove
 Provide Vistas in Front of Slats
 Provide Window Sash for Inside of Slats
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:

Datums is Mean Sea Level
 For Location see Installation Maps
 Exhibit No. 3/A

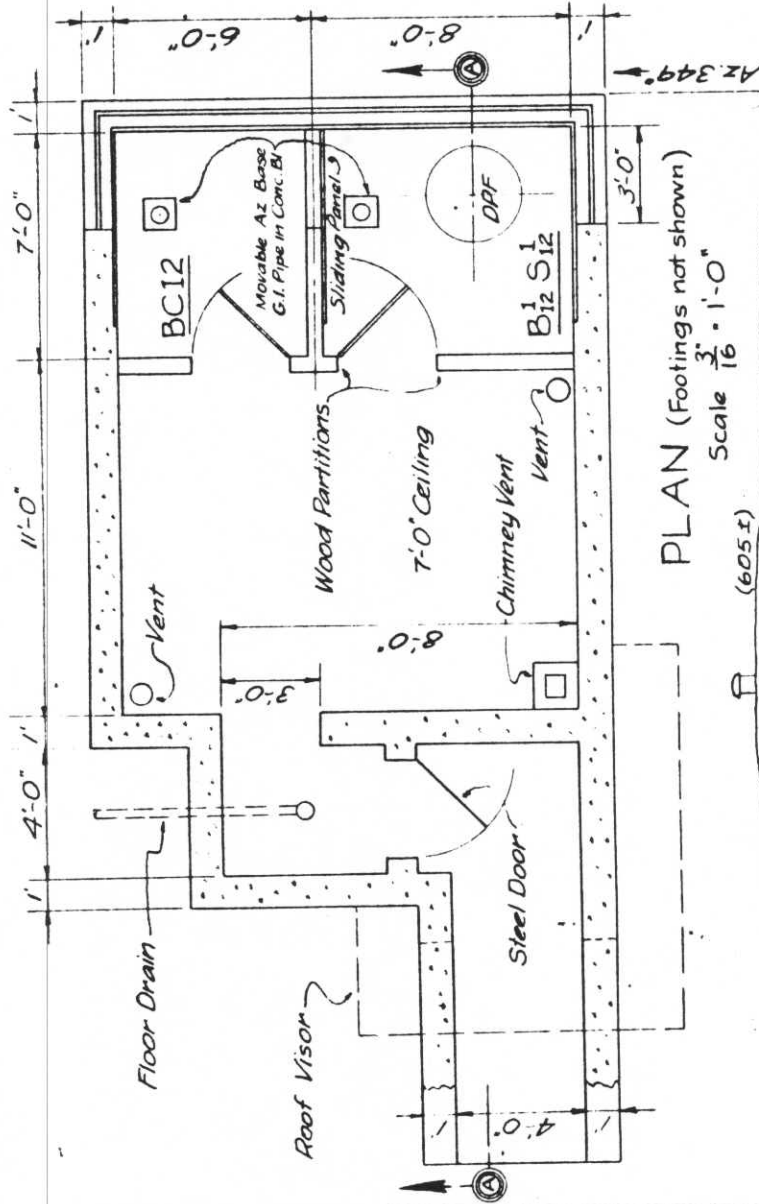
HARBOR DEFENSES OF PUGET SOUND
 PROVIDED

BC13 ON S13

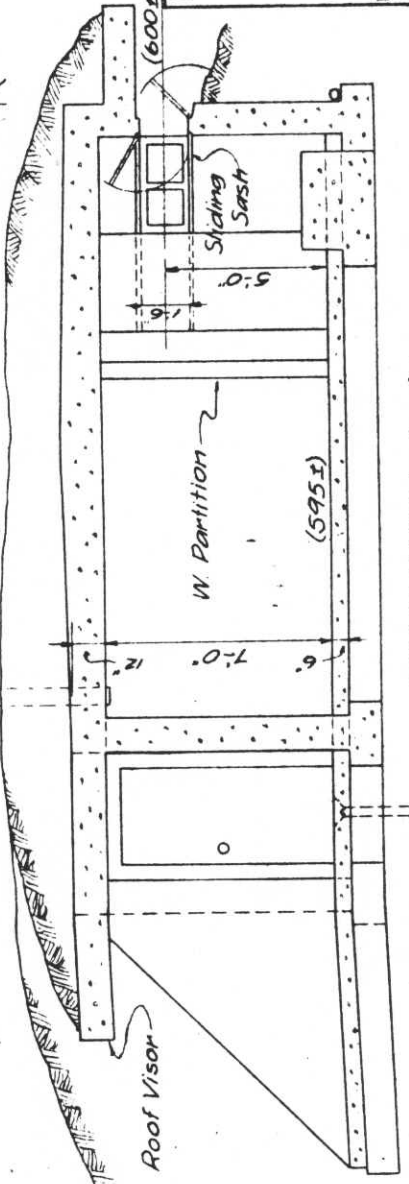
BY: [Signature] Major, Corps of Engineers
 DATE: 2/10/40

APPROVED: [Signature] Major, Corps of Engineers
 DATE: 2/10/40

EXHIBIT NO. 3/A



PLAN (Footings not shown)
Scale $\frac{3}{16}'' = 1'-0''$



SECTION A-A
Scale $\frac{3}{16}'' = 1'-0''$

REMARKS:

Reinforced Conc. Construction
 Install Vents, Chimney and Stove
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level
 For Location see Exhibit No. 5A

HARBOR DEFENSES OF PUGET SOUND
 PROPOSED

BC12 - B12 S12

"UPPER BLUFF"
 In 1 Sheet
 Scale $\frac{3}{16}'' = 1'-0''$
 Scales as indicated
 U.S. Engineer Area Office, Port Townsend, Wash.
 Prepared by *W. H. ...* Sept. 5, 1942

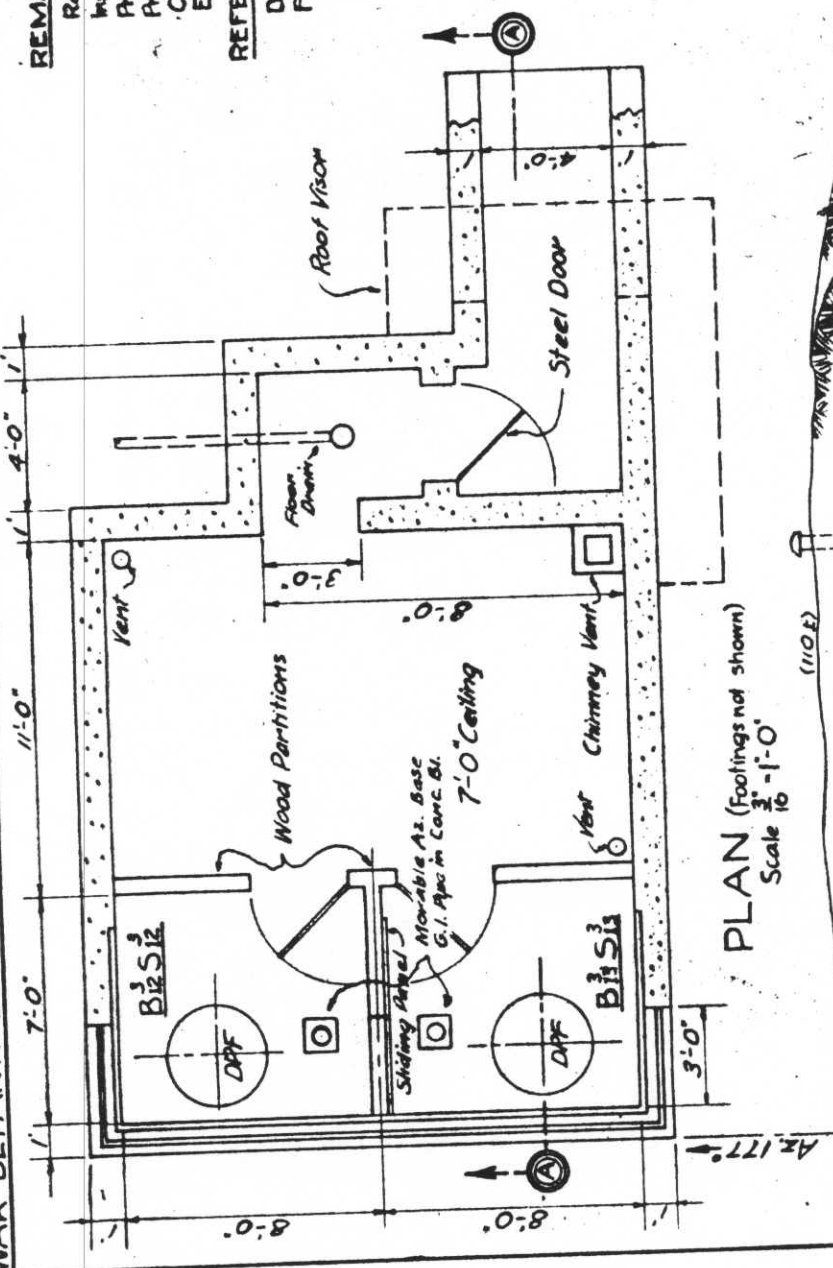
Dr. BKK Asst. Engineer
 Submitted: *W. H. ...*
 Tr. BKK *W. H. ...*
 Ch. W. Assoc. Engineer
 Approved: *W. H. ...*
 Capt., C.E., Area Engineer

EXHIBIT NO. 33B

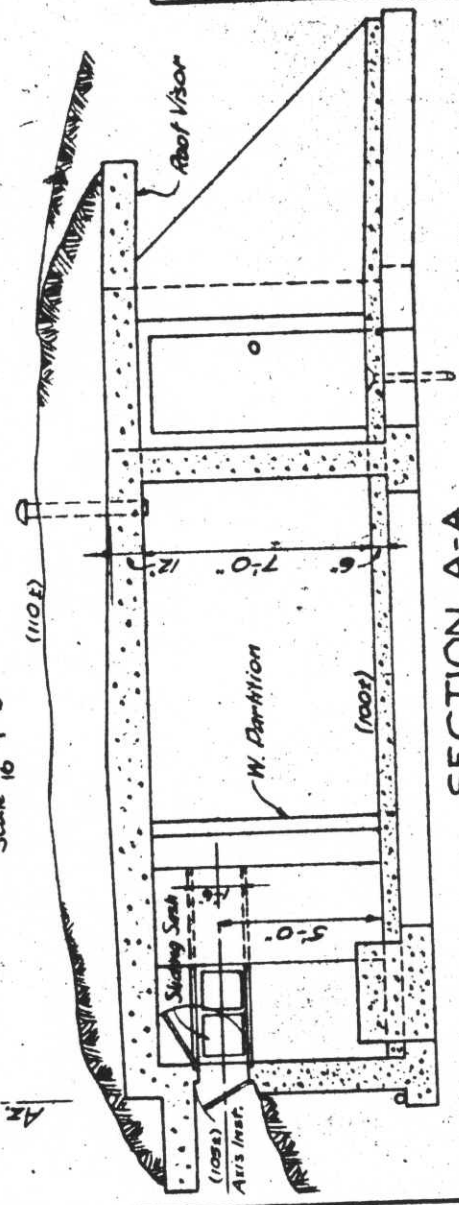
Exhibit 33B

SECRET

WAR DEPARTMENT



PLAN (Footings not shown)
Scale $\frac{3}{16} = 1'-0''$



SECTION A-A
Scale $\frac{3}{16} = 1'-0''$

REMARKS:

Reinforced Conc. Construction
 Install Vents, Chimney and Stove
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:

Datum's Mean Sea Level
 For Location see Exhibit No. 5A

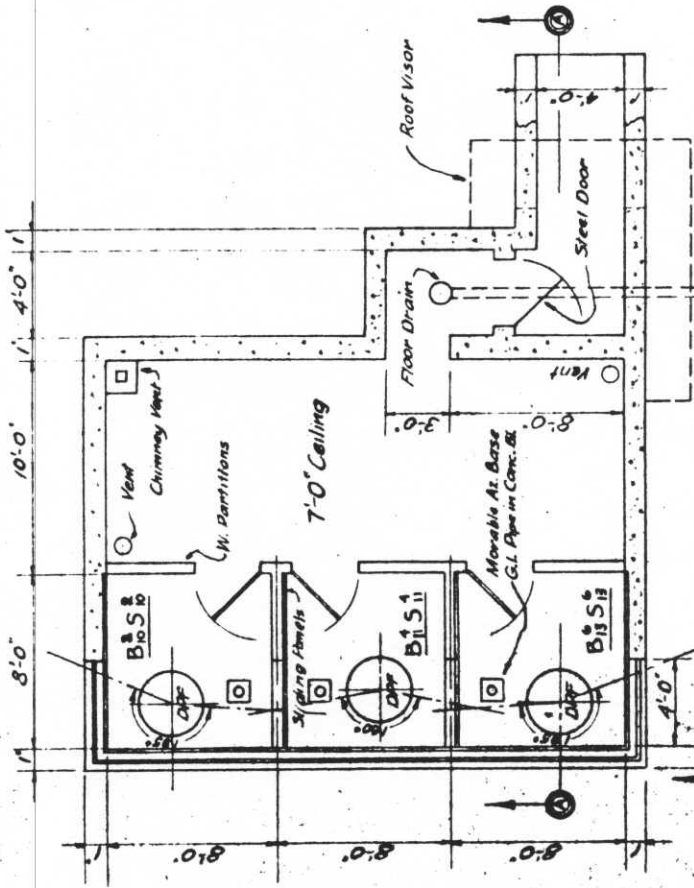
HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 B.I.S.I. - B.I.S.I.
 'KESSISO'
 Scales as indicated
 In 1 Sheet
 Scale $\frac{3}{16} = 1'-0''$
 U.S. Engineer's Office, Port Townsend, Wash.
 Proposed by *William A. Kessler*
 Dr. W. A. Kessler, Assoc. Engineer
 Submitted by *James L. Hall*
 J. L. Hall, Assoc. Engineer, Capt., C.E., Area Engineer
 Approved: *James L. Hall*
 Sept. 5, 1942

EXHIBIT NO. 32B

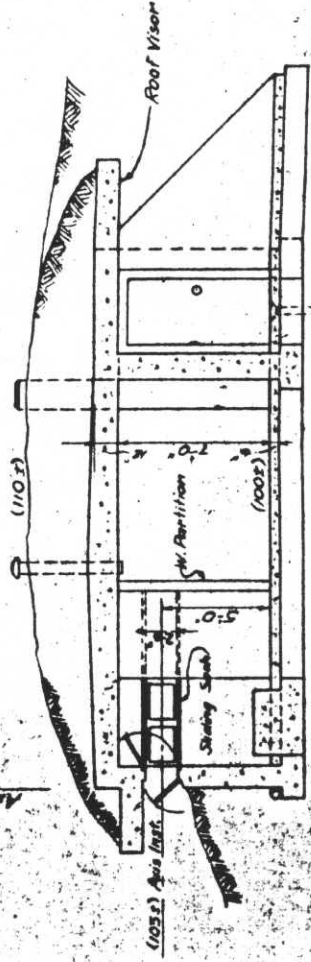
FILE NO.

SECRET

Exhibit 32B



PLAN (Footings not shown)
Scale $\frac{1}{8}'' = 1'-0''$



SECTION A-A
Scale $\frac{1}{8}'' = 1'-0''$

REMARKS:

Reinforced Concrete Construction
 Install Vents, Chimney and Stove
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level
 For Location see Exhibit No. 5A

HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 B10S11-B12S11
 FLATTERY CREEK
 Scales as indicated
 In 1 Sheet
 Scale $\frac{1}{8}'' = 1'-0''$
 U.S. Engineer Area Office, Fort Townsend, Wash.
 Prepared: *William S. ...*
 Dr. RRK Asst. Engineer
 Submitted: *...*
 F. RRK Asst. Engineer
 Approved: *...*
 Ch. W. Assoc. Engineer
 Capt., C.E.
 Sept. 4, 1942

EXHIBIT NO. 31B

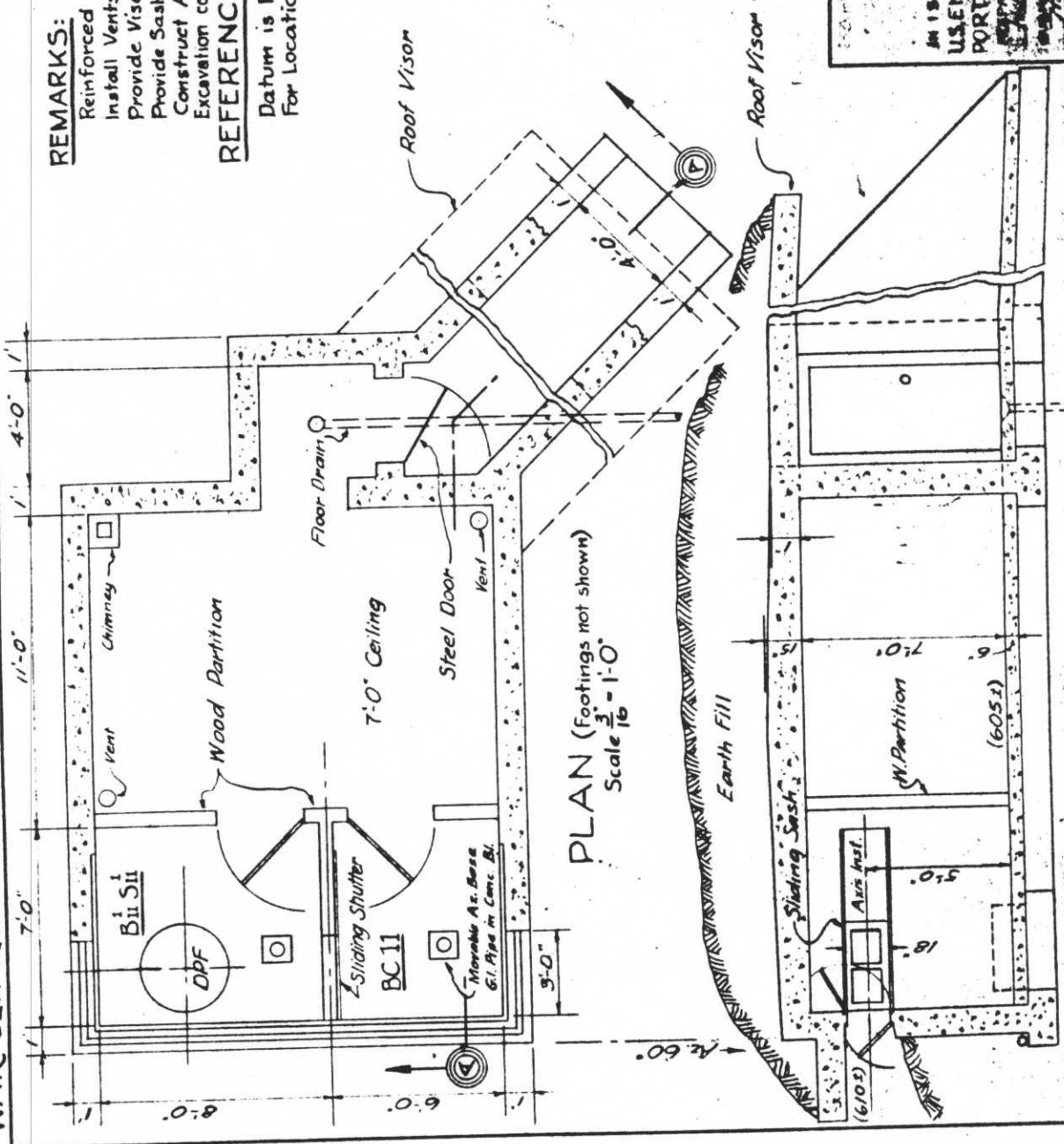
FILE NO.

SECRET

Exhibit 31B

REMARKS:
 Reinforced Conc. Construction
 Install Vents, Chimney and Stove
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:
 Datum is Mean Sea Level
 For Location see Exhibit No. 5A.



PLAN (Footings not shown)
 Scale $\frac{3}{16} = 1'-0''$

SECTION A-A
 Scale $\frac{3}{16} = 1'-0''$

PROPOSED
BCII, BII S II
 NORTH FLATTERY
 U.S. ENGINEER AREA OFFICE, OLYMPIC AREA
 PORT TOWNSEND, WASH. SEPT. 1, 1942

IN 1 SHEET SHEET NO. 1 SCALE $\frac{3}{16} = 1'-0''$

APPROVED: *[Signature]*

DESIGNED BY: *[Signature]*

CHECKED BY: *[Signature]*

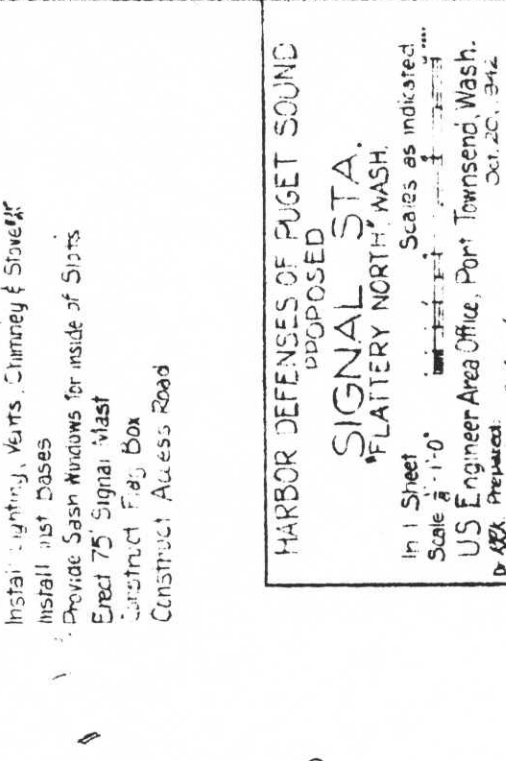
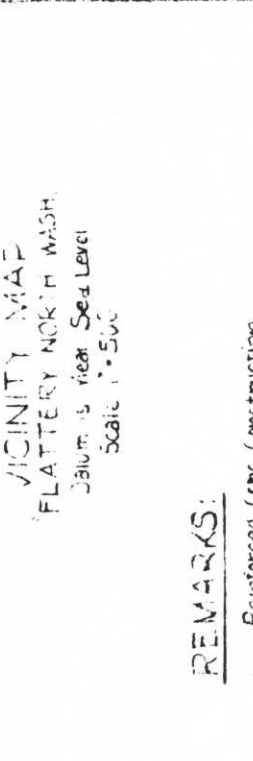
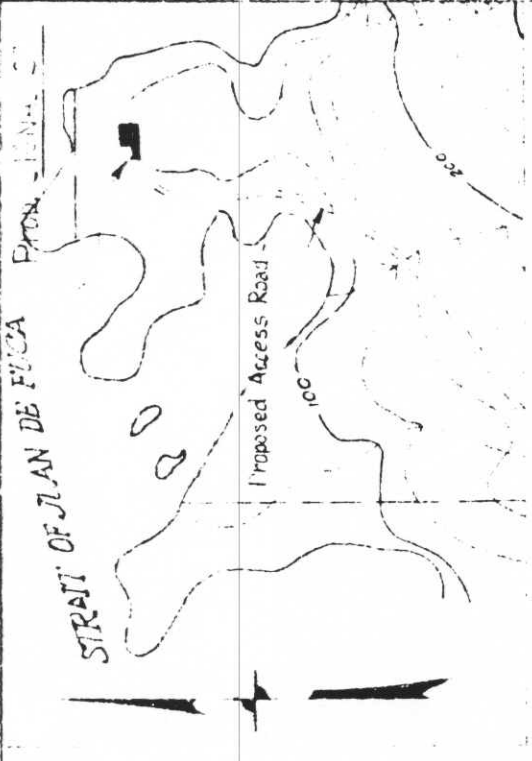
DATE: *[Date]*

BY: *[Signature]*

FOR: *[Signature]*

AREA ENGINEER

FIG. NO.



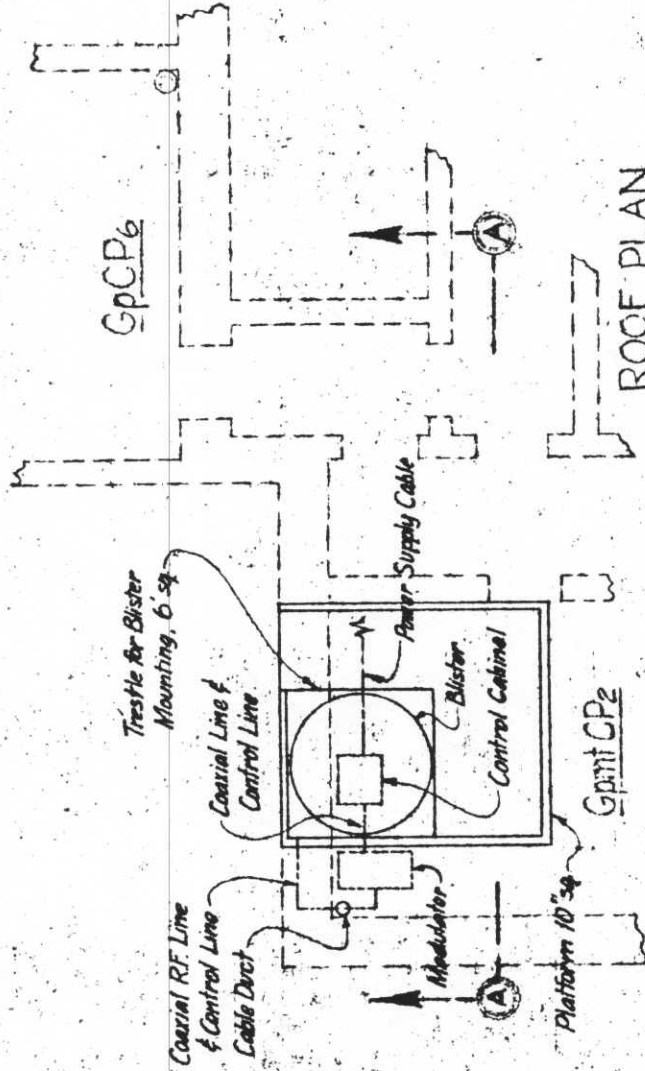
REMARKS:

- Reinforced Conc. Construction
- Install Lighting, Vents, Chimney & Slovent
- Install Mast Bases
- Provide Sash Windows for inside of Slats
- Erect 75' Signal Mast
- Construct Flag Box
- Construct Access Road

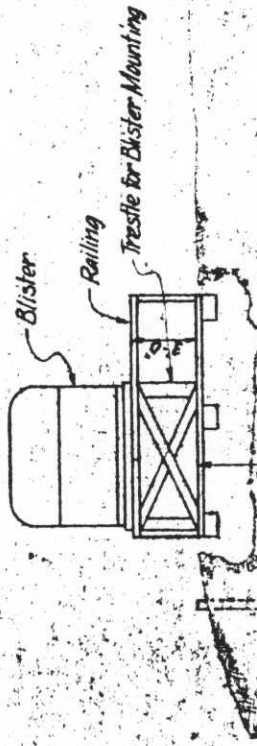
HARBOR DEFENSES OF PUGET SOUND
PROPOSED
SIGNAL STA.
FLATTERY NORTH WASH.

In 1 Sheet
Scale 3/8"=1'-0"
US Engineer Area Office, Port Townsend, Wash.
D. S. B. Prepared: Oct. 20, 1942
Approved: *A. J. Hale*
Submitted: *A. J. Hale*
Assoc. Engineer: *A. J. Hale*
Capt. U.S. Army

EXHIBIT NO. 25 B



ROOF PLAN
Scale 1/4" = 1'-0"



SECTION A-A
Scale 1/4" = 1'-0"

REMARKS:

This SCR-582 to be installed in proposed HCCP-Gpint CP2, see Exhibit No. 35 B. Dashed lines indicate proposed installation. Construct structure for 2 Power Units. Install one 1000 gallon Fuel Tank. For Blister mounting see Plan of "Blister Mounting Assembly", Signal Corps Laboratories Drawing No. ES-A-10966.

REFERENCE:

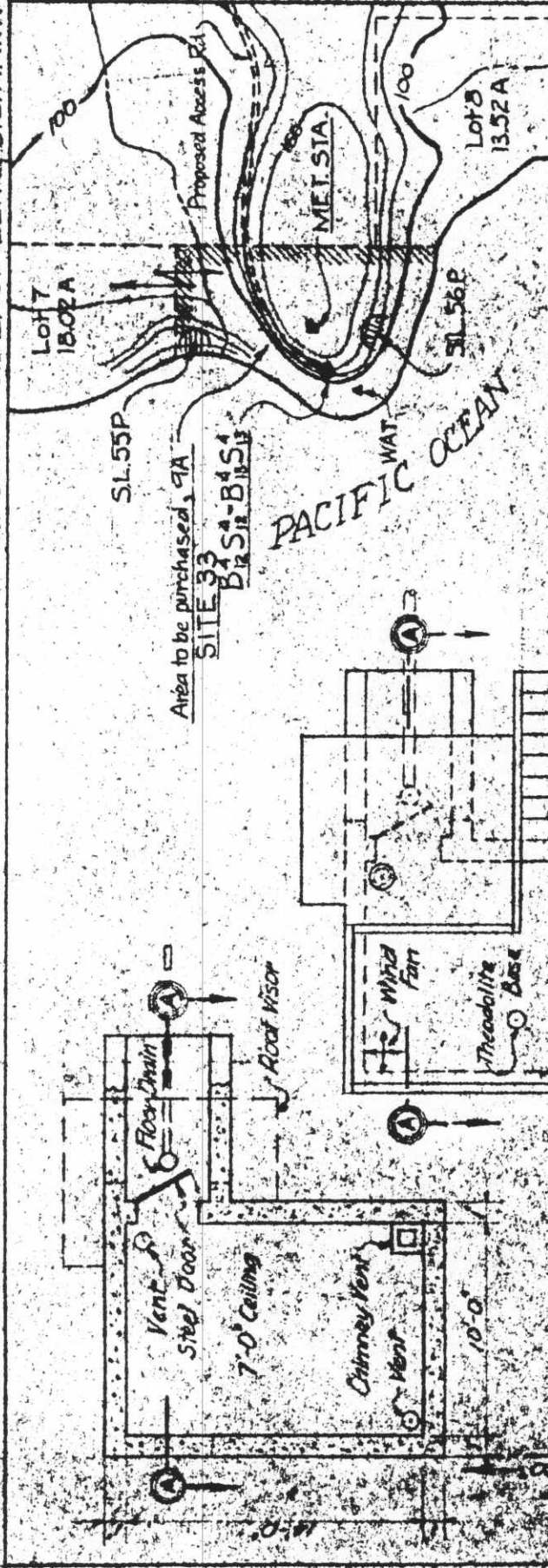
For Location see Installation Map, Exhibit No. 3A.
See letter 6662, HQ, HD of PS, dated May 22, 1942 with instructions & Drawings inclosures.

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
GENERAL SURVEILLANCE DETECTOR
SET NO. 3, SCR-582
UPPER OCEAN, WASH.

In 1 Sheet
Scale 1/4" = 1'-0"
U.S. Engineer Area Office, Port Townsend, Wash.
Prepared by: *W. J. ...*
Submitted: *...*
Approved: *W. J. ...*
Oct. 21, 1942

Dr. *W. J. ...*
Assoc. Engineer
DA 10
Approved: *W. J. ...*
Chief, Civil Engineer

EXHIBIT NO. 24B



VICINITY MAP
 "WAT, MAKAH INDIAN RESERVATION, WASH.
 Datum is Mean Sea Level Contour Interval 20'
 Scale 1" = 500'

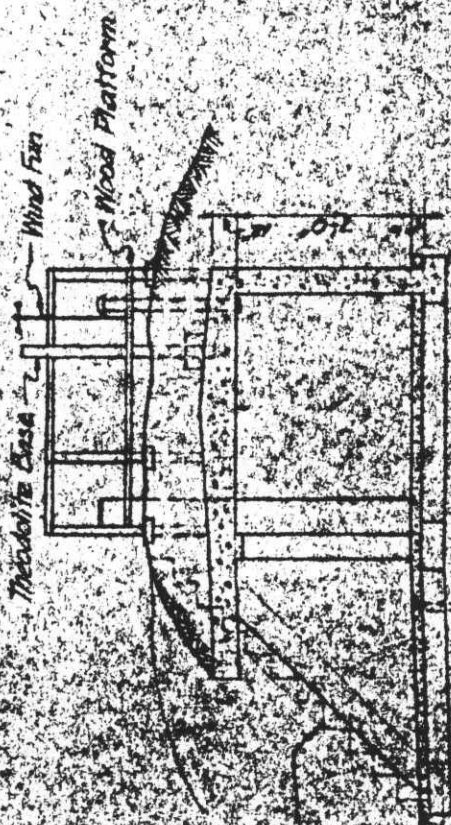
Area to be purchased, 91A
 SITE 33
 B or S 18-B 4 S 18

PLAN (Footings not shown)
 Scale 1/4" = 1'-0"

ROOF PLAN
 Scale 1/4" = 1'-0"

REMARKS:

- Reinforced Concrete Construction
- Install Vents, Chimney and Stove
- Provide Visor in Front of Slots
- Provide Sash Windows for Inside of Slots
- Construct Access Road
- Excavation on site mainly of solid Rock



SECTION A-A
 Scale 1/4" = 1'-0"

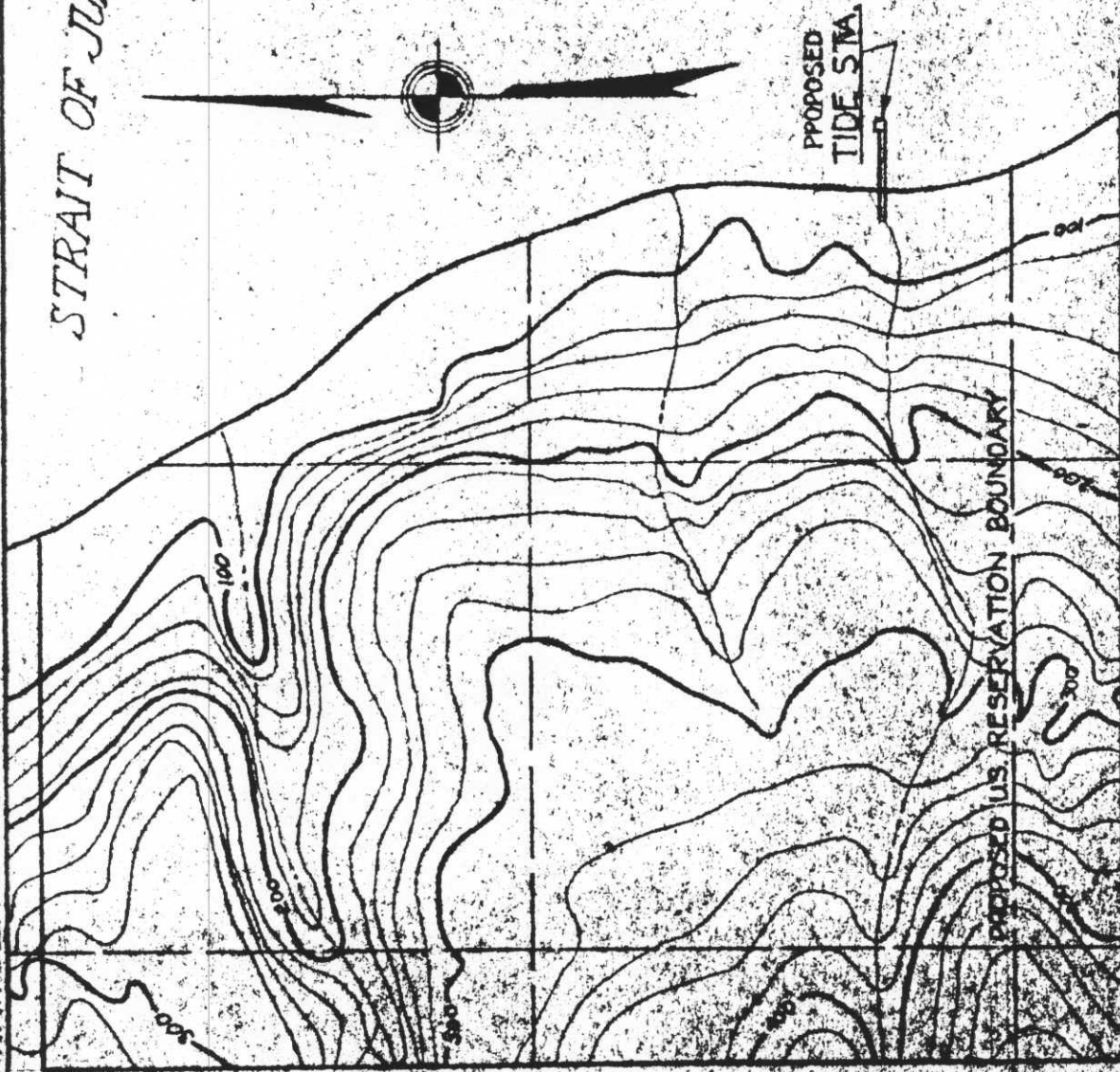
HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 MET STA
 WAT

In U.S. Survey
 Scale 1" = 100'
 U.S. Engineer from Office East of Puget Sound Wash.
 Proposed
 by Mr. J. H. ...
 Assistant Engineer
 U.S. Army
 1912

CH. ...
 Assistant Engineer
 U.S. Army

EXHIBIT NO. 23B

STRAIT OF JUAN DE FUCA



VICINITY MAP
 KOITLAH POINT, SOUTH
 Datum to Mean Sea Level
 Scale 1"=500'



REMARKS:

Small Timber Structure, approx. 5x5' Floor Area, on Concrete Piling, connected to Land with Plankwalk on Concrete Piling.
 Wood Staff Gauge to be located on Copper Cylinder and cased in Concrete. Mobil Bus, the latter to be perforated at bottom.
 Gauge to be set in such location, that zero on Mean Low Water can be read on Staff.
 Determine location by Soundings.

REFERENCE:

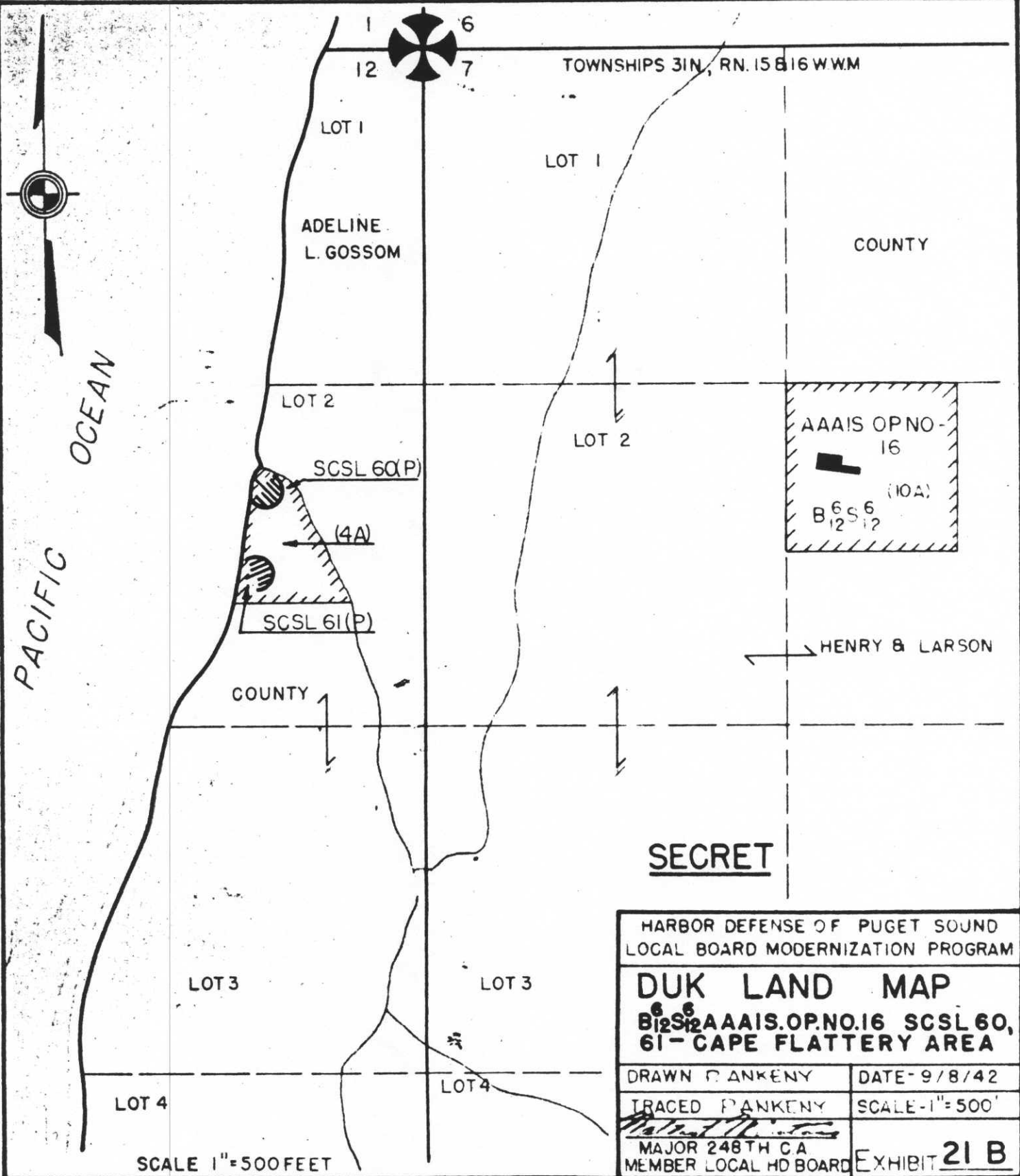
For the Locality of Neah Bay, the tidal difference Mean Lower Low Water and Mean Sea Level is 455 ft (approx) as given by Tidal Datum Plans, U.S. Engineer Office, Seattle File No. 1024, dated Sept. 7, 1942.
 See Installation Map, Exhibit No. 5A.

HARBOR DEFENSES OF PUGET SOUND

PROPOSED TIDE STA.

In Sheet 5000 as indicated
 Scale 1"=500'
 U.S. ENGINEER OFFICE, PUGET SOUND DISTRICT
 DATE: 1942
 BY: [Signature]
 CHECKED: [Signature]
 APPROVED: [Signature]
 TITLE: [Signature]
 GRADE: [Signature]

EXHIBIT NO. 22 B



PACIFIC OCEAN

TOWNSHIPS 31N, RN. 15 & 16 W.W.M

ADELINE L. GOSSOM

AAAIS OP NO. 16
 (10A)
 B⁶S⁶₁₂12

HENRY & LARSON

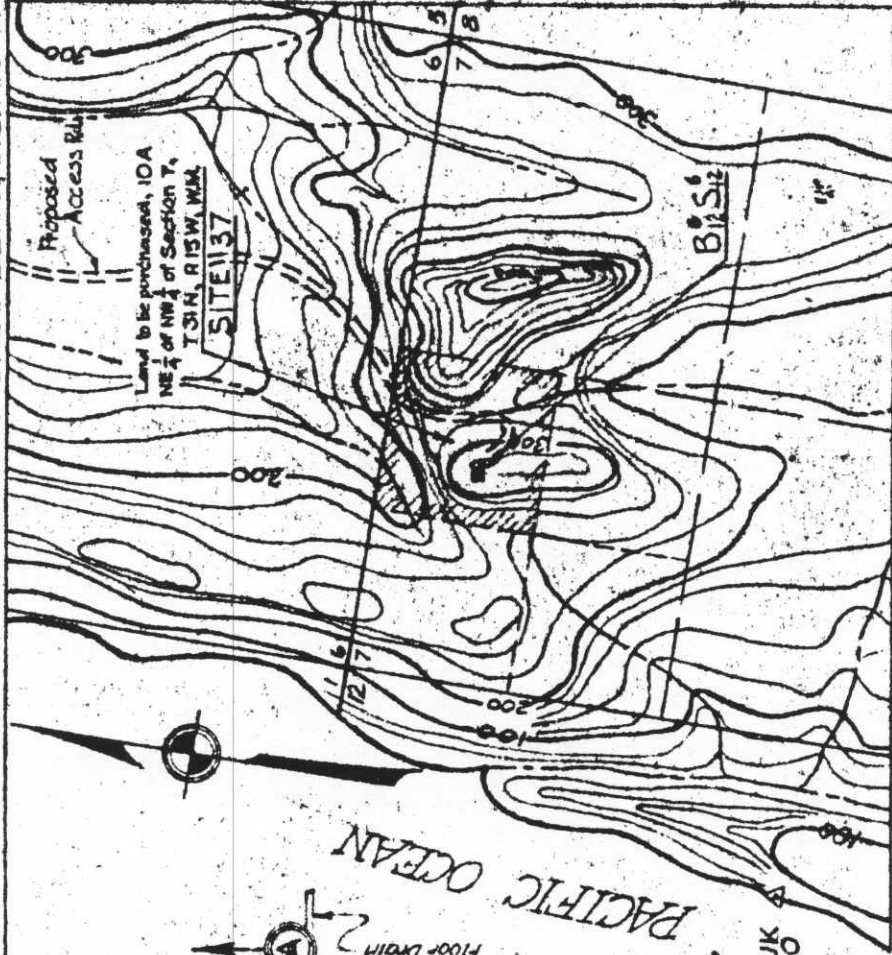
SECRET

HARBOR DEFENSE OF PUGET SOUND
 LOCAL BOARD MODERNIZATION PROGRAM

DUK LAND MAP
 B⁶S⁶₁₂12 AAAIS. OP. NO. 16 SCSL 60,
 61 - CAPE FLATTERY AREA

DRAWN PANKENY	DATE - 9/8/42
TRACED PANKENY	SCALE - 1" = 500'
MAJOR 248TH CA MEMBER LOCAL HD BOARD	EXHIBIT 21 B

SCALE 1" = 500 FEET



VICINITY MAP

Datum to Mean Sea Level
SCALE 1" = 500'



HARBOR DEFENSES OF PUGET SOUND
PROPOSED
B12512
Scales as indicated

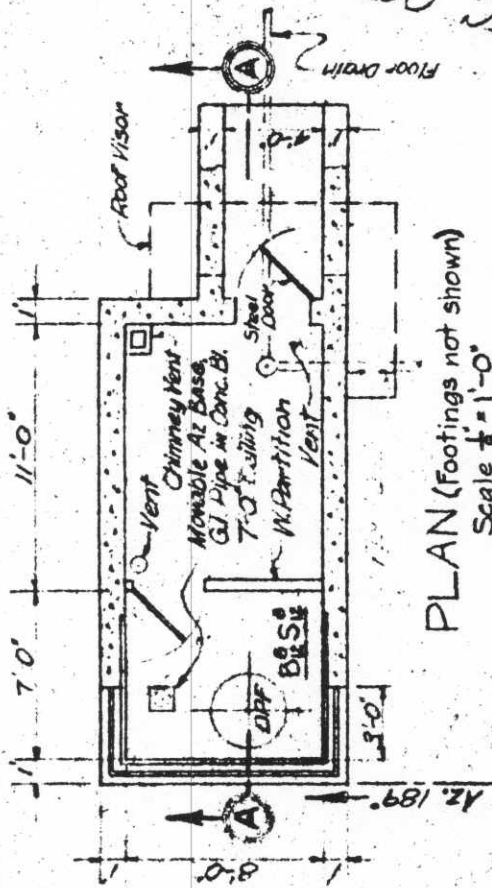
In. I. Sheet
Scale 1/4" = 1'-0"

U.S. Engineer Area Office, Port Townsend, Wash.
Prepared by
Dr. R. K. [Name]
Asst. Engineer

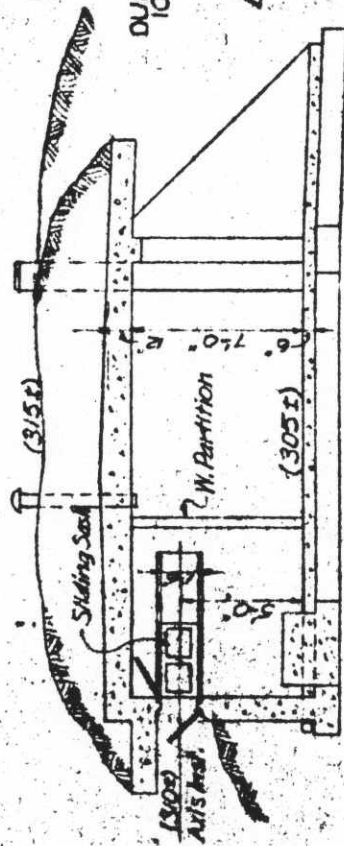
Submitted
Approved
Ch. M. [Name]
Asst. Engineer

Sept. 2, 1942

EXHIBIT NO. 208



PLAN (Footings not shown)
Scale 1/8" = 1'-0"



SECTION A-A
Scale 1/8" = 1'-0"

REMARKS:

- Reinforced Concrete Construction
- Install Vents, Chimney and Stove
- Provide Visors in Front of Slots
- Provide Window Sash for Inside of Slots
- Construct Access Road
- Excavation consists mainly of solid rock.

TOWNSHIP 32N. RANGE 16W. W.M



PACIFIC OCEAN

RUDOLPH UNGERER

25

SL 59 5A.

36

CHAS. S. WAUGH

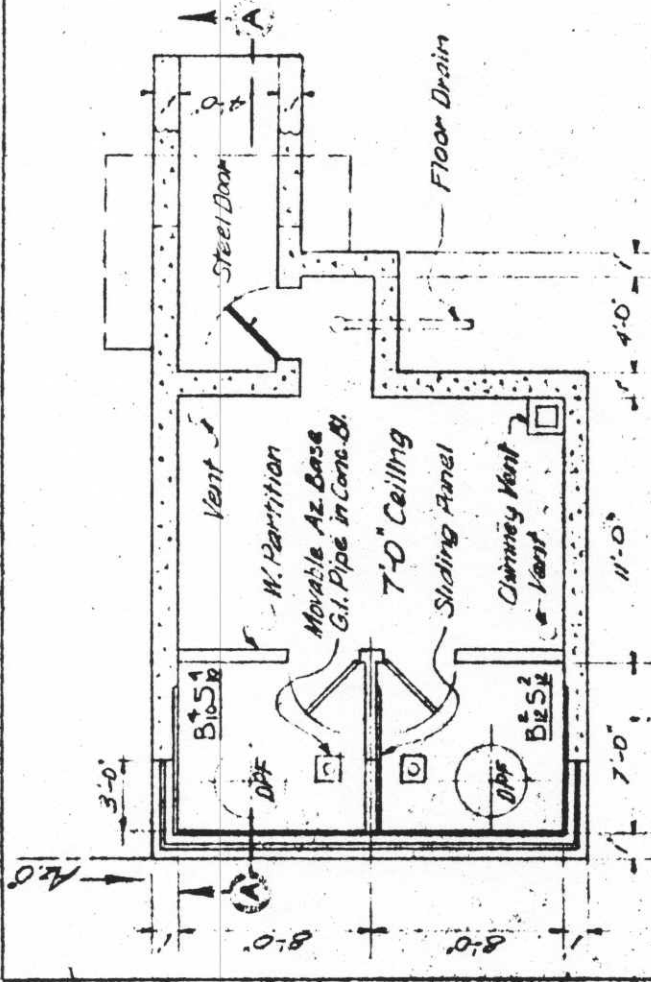
SECRET

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

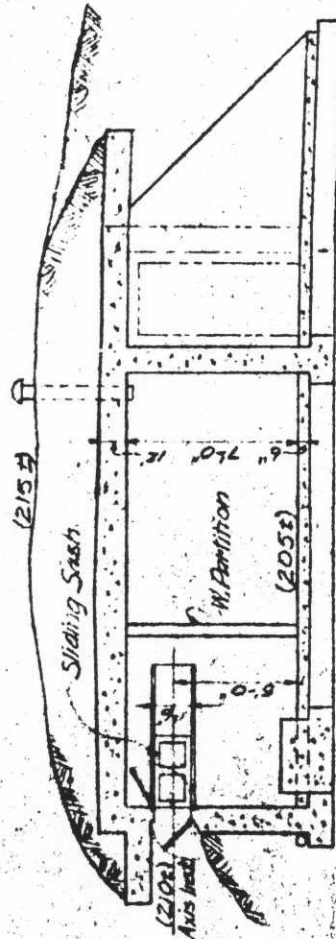
ARCHES LAND MAP
S.C.S.L-59

DRAWN PANKENY DATE 10/18/42
TRACED PANKENY SCALE 1"=500'

Chas. S. Waugh
LT. COL. 248TH.GA.
MEMBER LOCAL BOARD EXHIBIT 19B

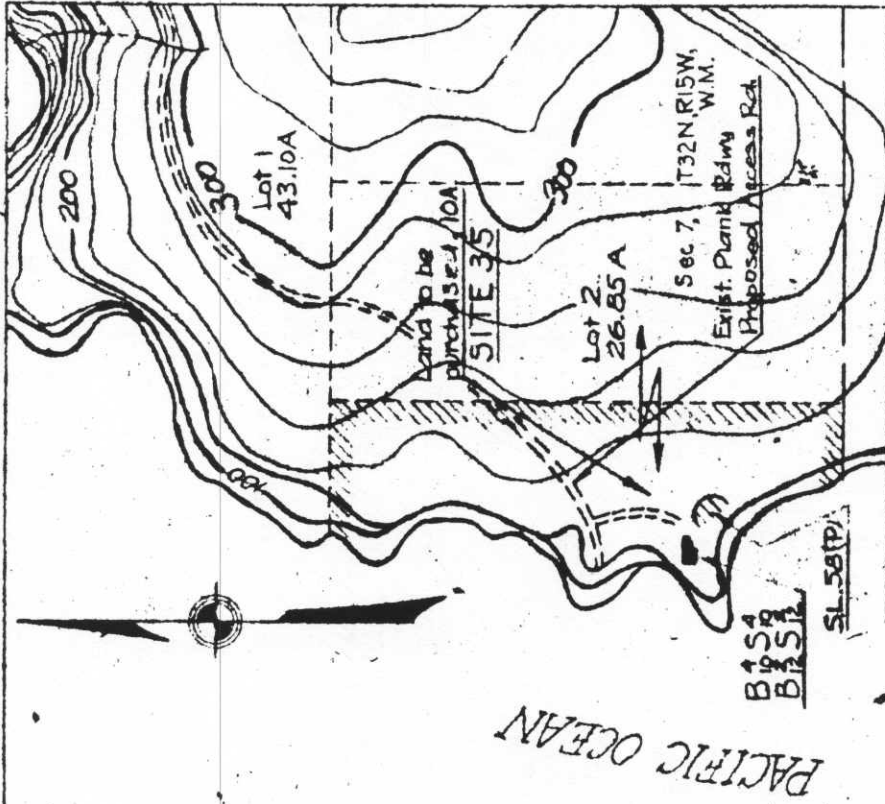


PLAN (Footings not shown)
Scale $\frac{1}{8}$ " = 1'-0"



SECTION A-A
Scale $\frac{1}{8}$ " = 1'-0"

REMARKS: Reinforced Concrete Construction
Install Vents, Chimney and Stove
Provide Visors in Front of Slots
Provide Sash Windows for Inside of Slots
Construct Access Road
Excavation Consists Mainly of Solid Rock

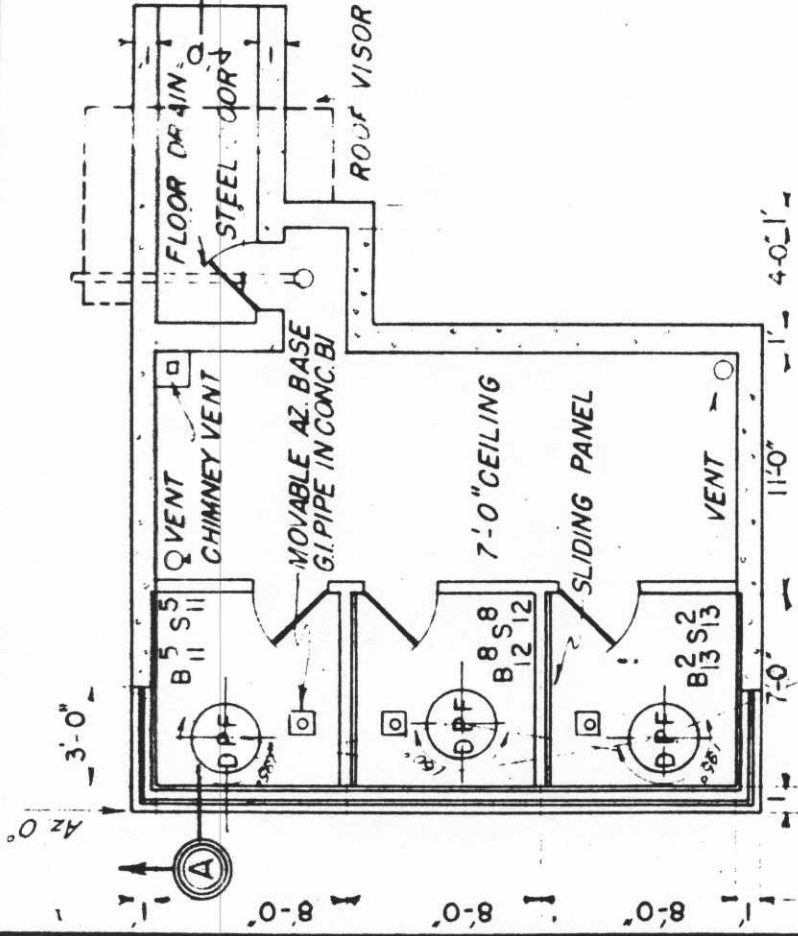


VICINITY MAP
PORTAGE HEAD, SOUTH
SCALE 1" = 500'

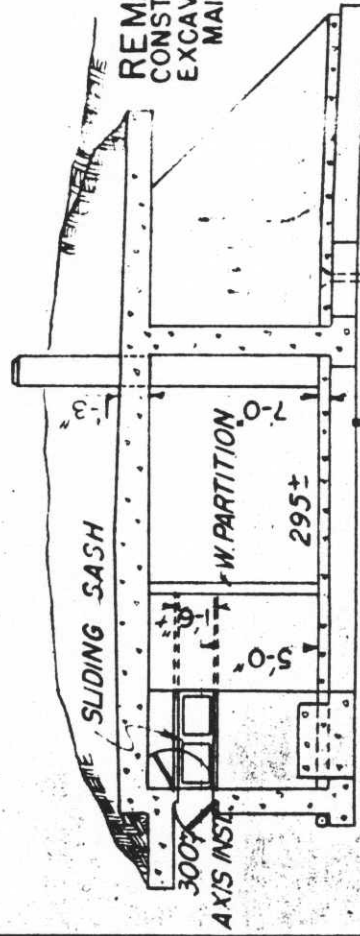


HARBOR DEFENSES OF PUGET SOUND
PROPOSED
B⁴ S¹⁰ - B² S¹²
"PORTAGE HEAD SOUTH."
No. 1 Sheet
Scale 1" = 100' Scales as indicated
U.S.E. Engineer Area Office, Port Townsend, Wash.
Prepared by: [Signature] Sept. 8, 1942
Checked by: [Signature]
Submitted: [Signature]
Approved: [Signature]
Ch. 178 Assoc. Engineer Capt. C.E. Area Engineer

EXHIBIT NO. 18 B
FILE NO.

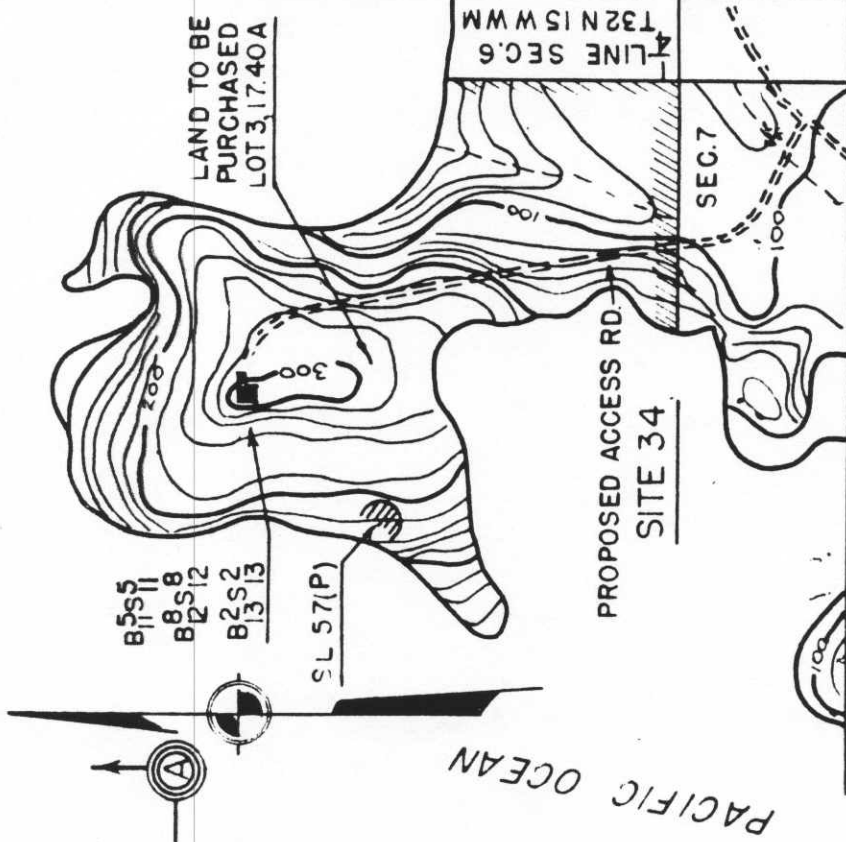


PLAN (FOOTING NOT SHOWN)
SCALE $\frac{1}{8} = 1'-0"$



REINFORCED CONCRETE CONSTRUCTION
INSTALL VENT CHIMNEY & STOVE.
PROVIDE VISORS FOR OUTSIDE SLOTS.
PROVIDE SASH WINDOWS FOR INSIDE OF SLOTS.

REMARKS:
CONSTRUCT ACCESS RD.
EXCAVATION CONSISTS
MAINLY OF SOLID ROCK



VICINITY MAP
PORTAGE HEAD NORTH
SCALE 1" = 500'



HARBOR DEFENSES OF PUGET SOUND
PROPOSED
B 5 S 5 B 8 S 8 B 2 S 2
B 13 S 13 PORTAGE HEAD NORTH
IN 1 SHEET SCALE AS INDICATED
SCALE 1" = 1'-0" SCALE 1" = 10 FEET
U.S. ENGINEER AREA OFFICE, PORT TOWNSEND
OCT. 22, 1942
PREPARED BY
TR. B. [Signature]
ASST. ENGINEER
SUBMITTED BY
DR. H. E. McMorris
CAPT. AREA ENG.
APPROVED:
[Signature]
EXHIBIT NO 17B

Land to be purchased, 9A
SITE 33

S.L. 56(A)

B⁴ S¹², B⁴ S¹³

MET. STA.

S.L. 55(P)

Lot 8
13.52A

Lot 7
16.02A

Lot 6
12.74A

Proposed Access Road

Virgin Timber
Heavy Underbrush

Sec. 19, T33N, R35W, W.M.

VICINITY MAP

'WAT', MAKAH INDIAN RESERVATION, WASH. ST.
Datum is Mean Sea Level; Contour Interval 20'

Scale 1" = 500'
100' 0' 500' 1000 FEET

REMARKS:

- Reinforced conc. Construction
- Install Vents, Chimney & Stove
- Provide Visor in Front of Slots
- Provide Sash Windows for Inside of Slots
- Construct Access Road

HARBOR DEFENSES OF PUGET SOUND
PROPOSED

B⁴ S¹² - B⁴ S¹³

In 1 Sheet
Scale 1" = 10'
Scales as Indicated

U.S. Engineer Area Office, Port Townsend, Wash.
Prepared: [Signature]
Sept. 5, 1942

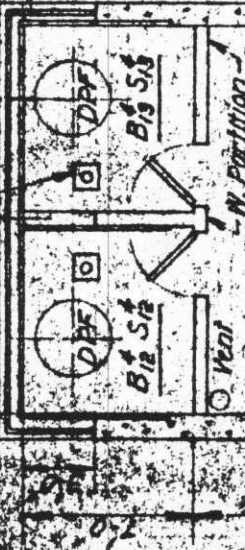
Dr. [Signature] ASST. Engineer
 Mr. [Signature] Submitted
 Ch. [Signature] Assoc. Engineer

Approved: [Signature]
 Cpt. E. L. Ames, Engineer

EXHIBIT NO. 16B
FILE NO.

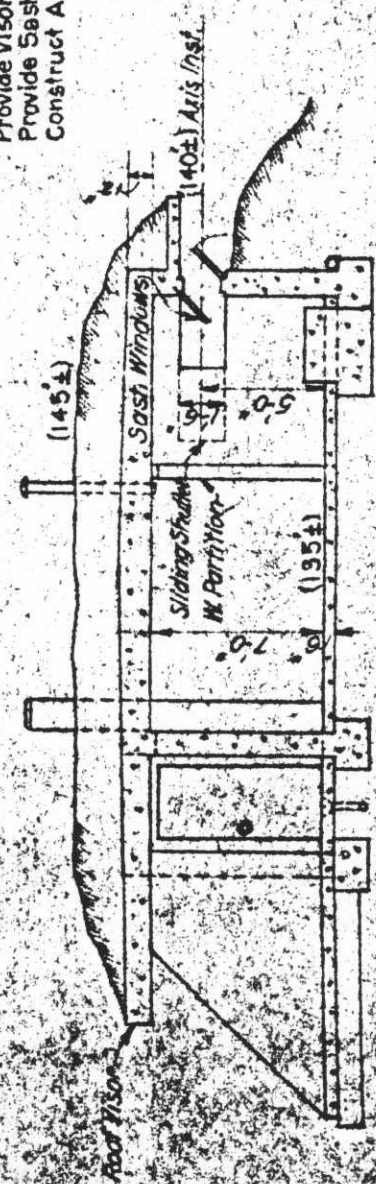
16'-0"
8'-0"
A

8'-0"
11'-0"



7'-0" Ceiling

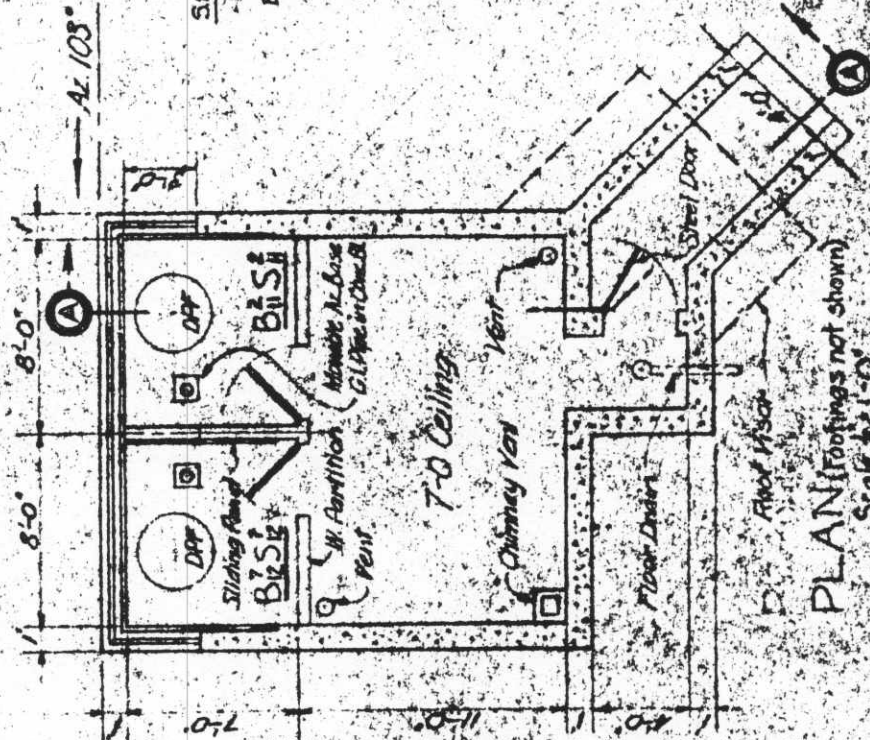
PLAN (Footings not shown)
Scale 1/8" = 1'-0"



SECTION A-A
Scale 1/8" = 1'-0"

Excavation consists mainly of solid Rock

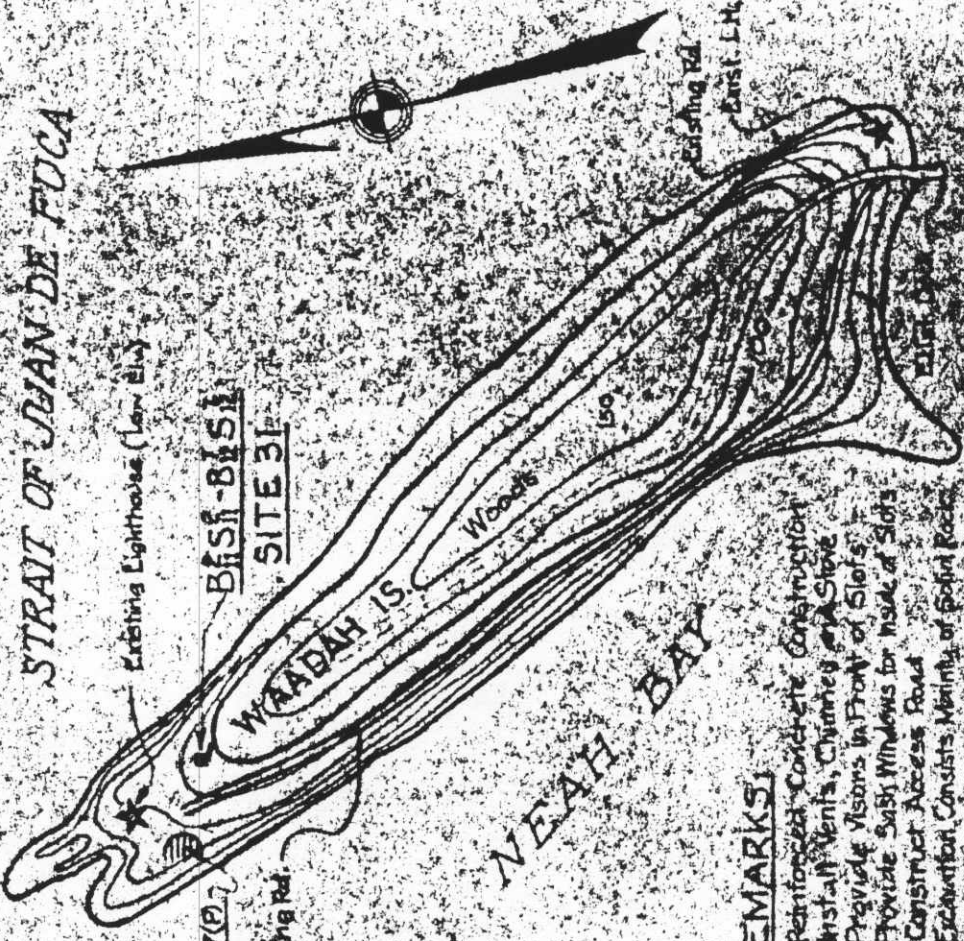
SECRET



PLAN (Roofings not shown)
Scale 1/4" = 1'-0"



SECTION A-A



REMARKS:

- Reinforced Concrete Construction
- Install Vents, Chimney and Stove
- Provide Visors in Front of Sigs
- Provide Sigs Windows for inside of Sigs
- Construct Access Road
- Excavation Consists Mainly of Gravel Rocks

HARBOR DEFENSE TORPEDO SOUNDS

NO. 27	WADDAH ISLAND	1944
NO. 28	NEAH BAY	1944
NO. 29	NEAH BAY	1944
NO. 30	NEAH BAY	1944
NO. 31	NEAH BAY	1944
NO. 32	NEAH BAY	1944
NO. 33	NEAH BAY	1944
NO. 34	NEAH BAY	1944
NO. 35	NEAH BAY	1944
NO. 36	NEAH BAY	1944
NO. 37	NEAH BAY	1944
NO. 38	NEAH BAY	1944
NO. 39	NEAH BAY	1944
NO. 40	NEAH BAY	1944
NO. 41	NEAH BAY	1944
NO. 42	NEAH BAY	1944
NO. 43	NEAH BAY	1944
NO. 44	NEAH BAY	1944
NO. 45	NEAH BAY	1944
NO. 46	NEAH BAY	1944
NO. 47	NEAH BAY	1944
NO. 48	NEAH BAY	1944
NO. 49	NEAH BAY	1944
NO. 50	NEAH BAY	1944

SECRET

STRAIT OF JUAN DE FUCA



SCSL-46
(2-A)

CLALLAM
COUNTY
ROAD

LOT 6

LOT 5

LOT 11

LOT 12

LOT 10

LOT 13

LOT 14

12 7
13 18

TOWNSHIP 33N., R15 W.W.M.

LOT 2

LOT 1

B⁵₁₀-S⁵₁₀
(6A)

LOT 4

LOT 3

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

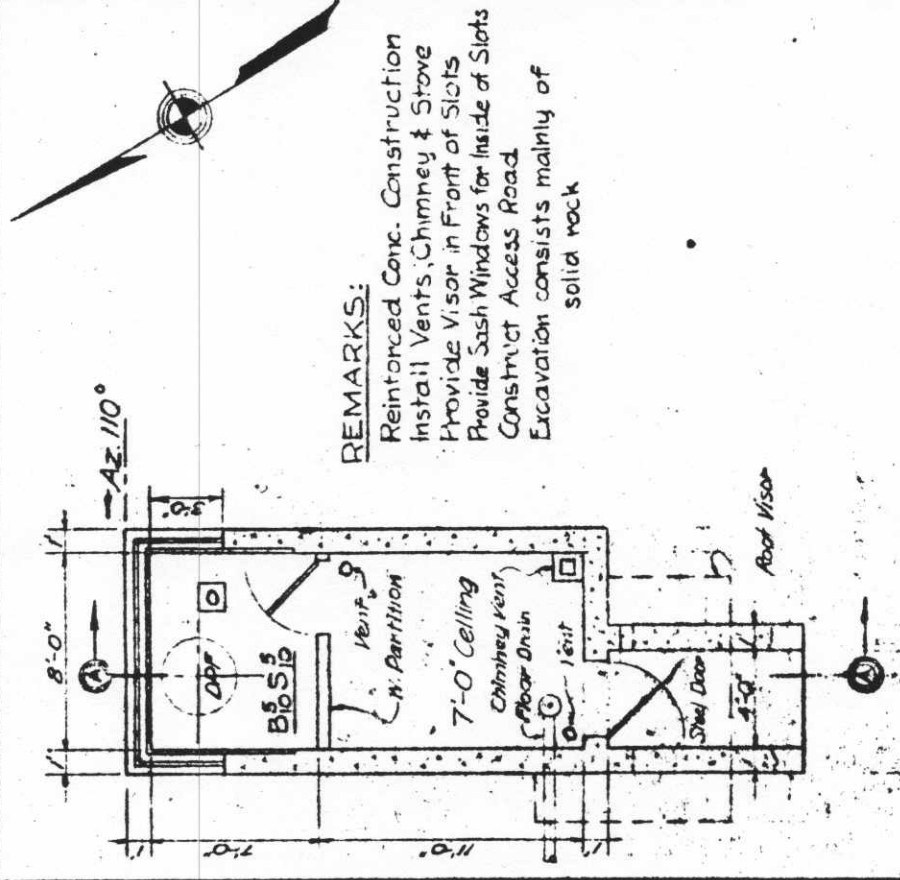
AGENCY LAND MAP,
B⁵₁₀S⁵₁₀ SCSL-46(P)
CAPE FLATTERY AREA

DRAWN- PANKENY DATE-9/7/42

TRACED- PANKENY SCALE 1"=500'

Robert Minter
MAJOR 248 TH C A
MEMBER LOCAL HD BOARD EXHIBIT **13B**

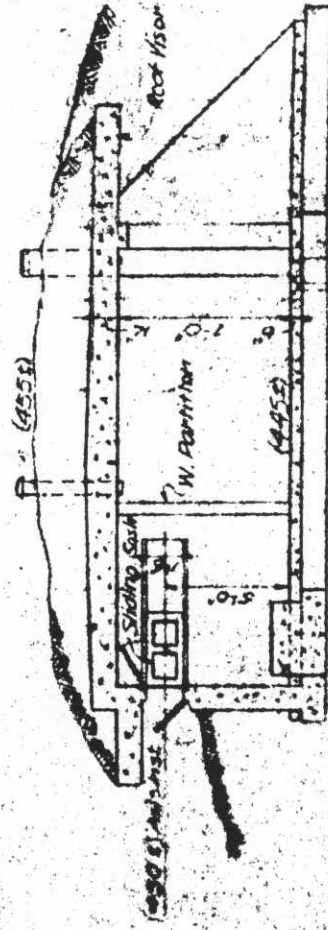
SCALE 1" = 500 FEET



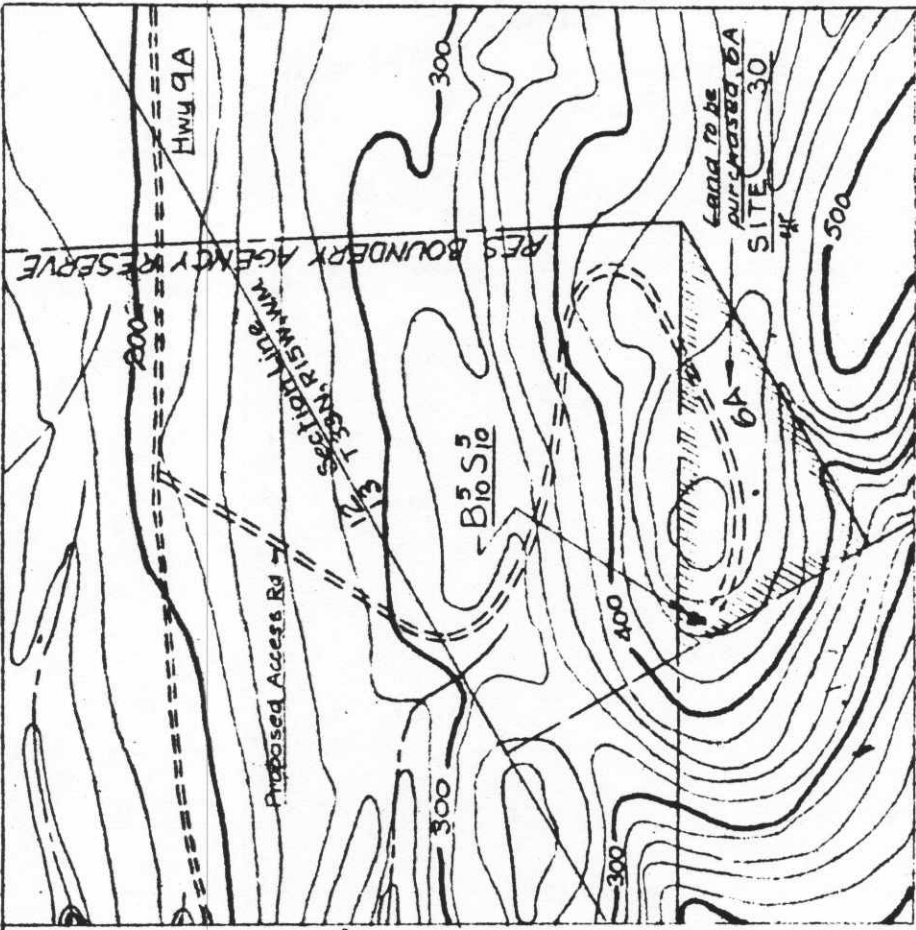
REMARKS:

- Reinforced Conc. Construction
- Install Vents, Chimney & Stove
- Provide Visor in Front of Slots
- Construct Sash Windows for Inside of Slots
- Construct Access Road
- Excavation consists mainly of solid rock

PLAN (Footings not shown)
Scale 1/8" = 1'-0"

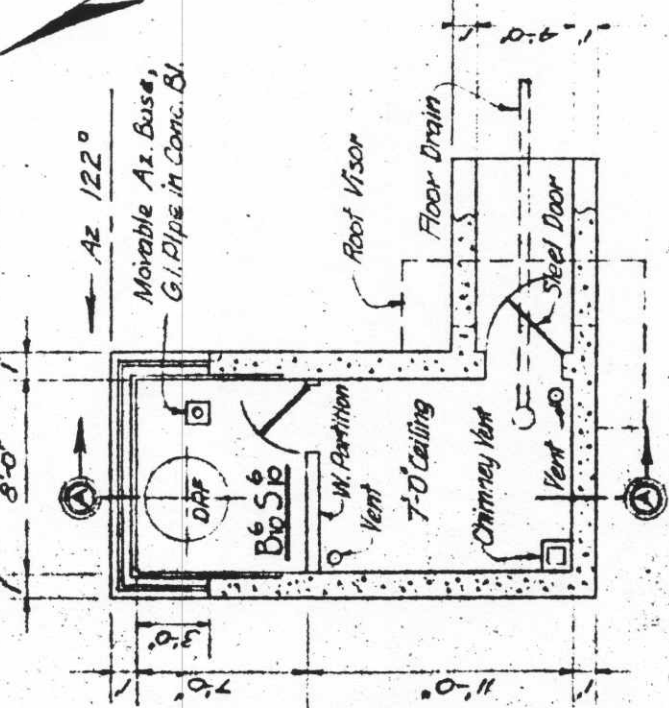


SECTION A-A
Scale 1/8" = 1'-0"

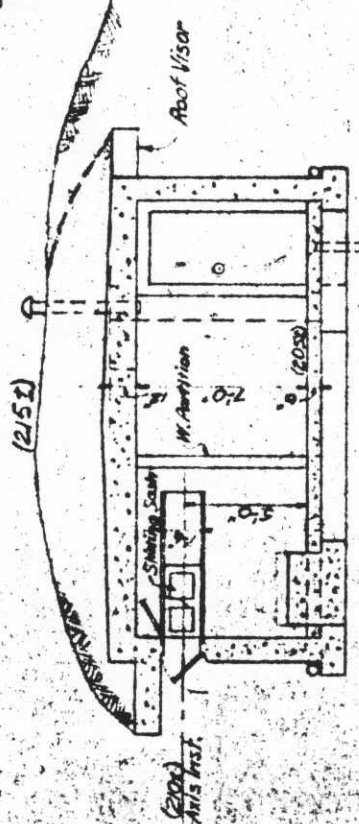


VICINITY MAP
UPPER AGENCY NEAR BAY WASH.
Datum is Mean Sea Level
Scale 1" = 500'

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
B-5 S10
L. UPPER AGENCY
Scales as indicated
In 1 Sheet
Scale 1/8" = 1'-0"
US Engineer Area Office, Port Townsend, Wash.
Prepared by: *[Signature]*
Dr. 28th Asst. Engineer
Submitted by: *[Signature]*
Capt., CE, Area Engineer
Approved: *[Signature]*
Ch. M. Assoc. Engineer
EXHIBIT NO. 12B

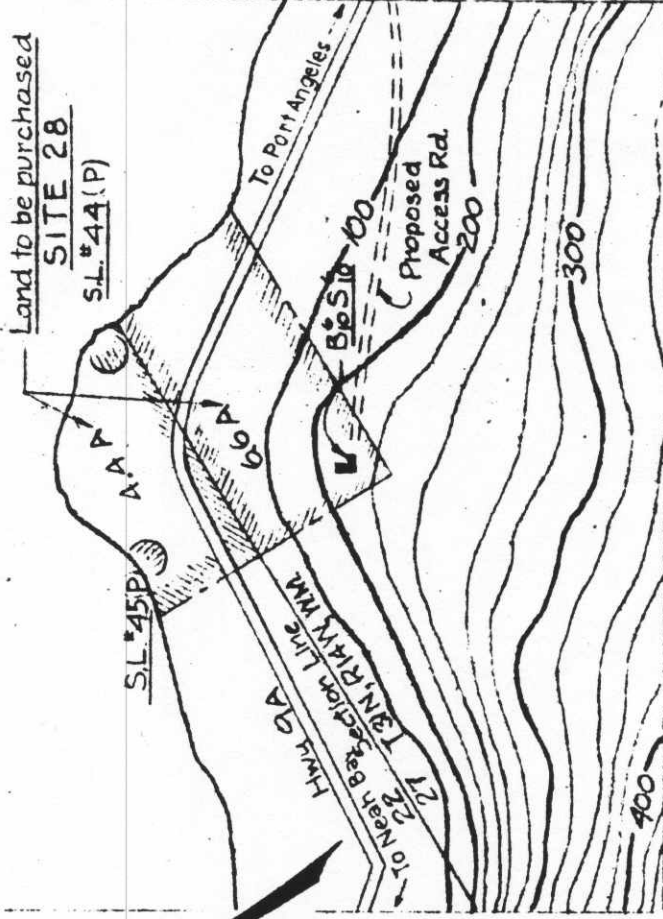


PLAN (Footings not shown)
Scale 1/8" = 1'-0"



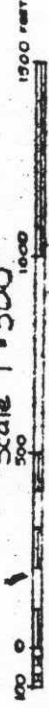
SECTION A-A
Scale 1/8" = 1'-0"

STRAIT OF JUAN DE FUCA



VICINITY MAP
KNOB

Datum is Mean Sea Level
Scale 1" = 500'



REMARKS: Reinforced Concrete Construction
Install Vents, Chimney and Stove
Provide Visor in Front of Slots
Provide Sash Windows for Inside of Slots
Construct Access Road
Excavation Consists Mainly of Solid Rock

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
KNOB
Big Six

In 1 Sheet
Scale 1/8" = 1'-0"
U.S. Engineer Area Office, Fort Townsend, Wash.
Prepared by *[Signature]*
Submitted *[Signature]*
Approved *[Signature]*
Capt. CE, Area Engineer
Sept. 7, 1942

SECRET

STRAIT OF JUAN DE FUCA



SCSL-46
(2-A)

CLALLAM
COUNTY
ROAD

LOT 6

LOT 5

LOT 11

LOT 12

LOT 10

LOT 13

LOT 14

TOWNSHIP 33N., R.15 W.W.M.

LOT 2

LOT 1



B⁵₁₀-S⁵₁₀
(6A)

LOT 4

LOT 3

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

AGENCY LAND MAP,
B⁵₁₀S⁵₁₀ SCSL - 46 (P)
CAPE FLATTERY AREA

DRAWN- PANKENY

DATE-9/7/42

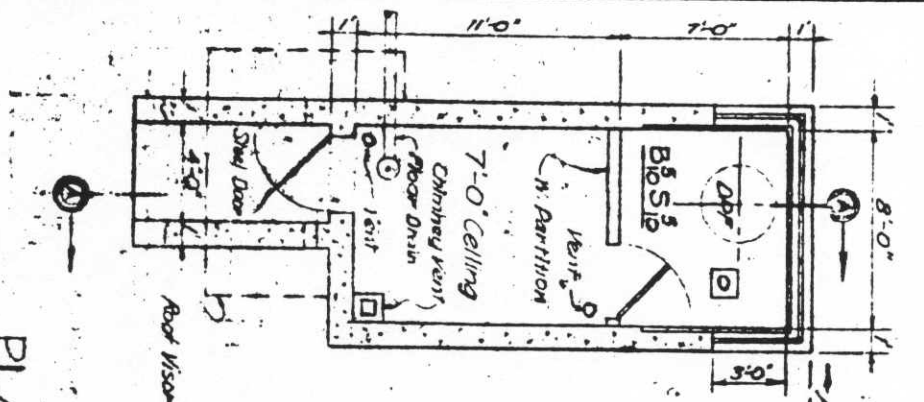
TRACED- PANKENY

SCALE 1"=500'

Malcolm Minton
MAJOR 248 TH C A
MEMBER LOCAL HD BOARD

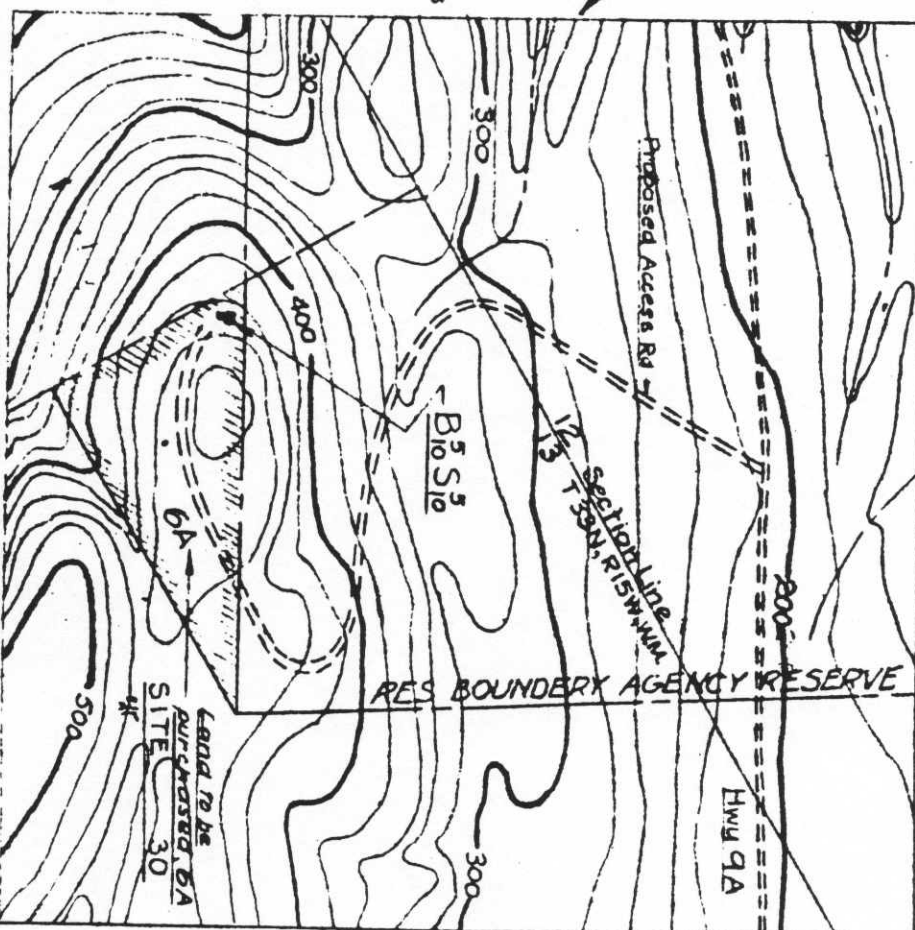
EXHIBIT **13B**

SCALE 1" = 500 FEET

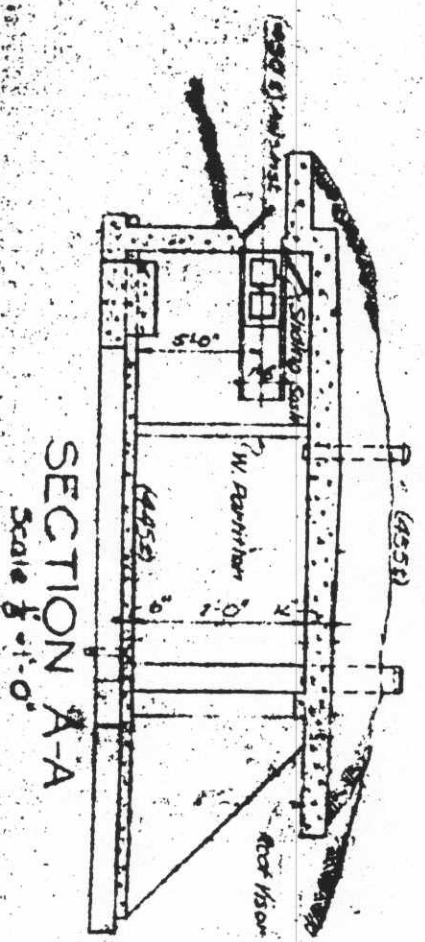


REMARKS:
 Reinforced Conc. Construction
 Install Vents, Chimney & Stone
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of
 solid rock

PLAN (Footings not shown)
 Scale $\frac{1}{8}$ " = 1'-0"

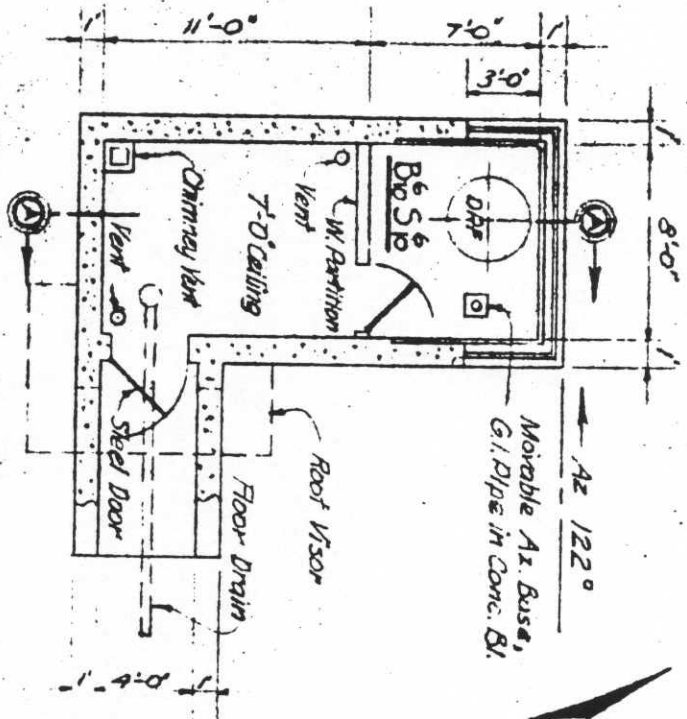


VICINITY MAP
 UPPER AGENCY NEAR BAY WASH.
 Datum is Mean Sea Level
 Scale 1" = 500'

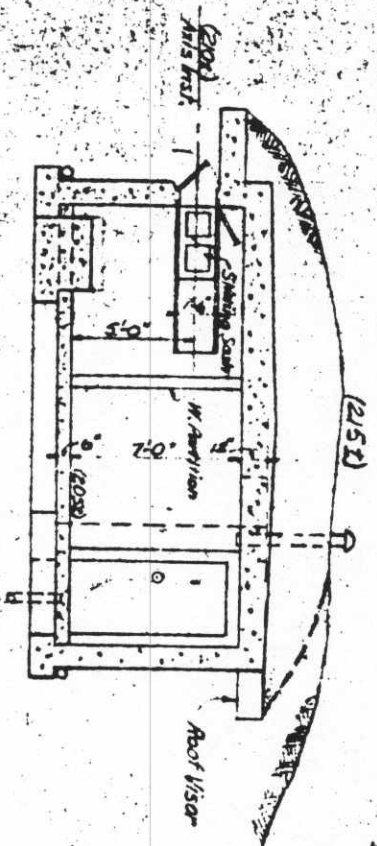


SECTION A-A
 Scale $\frac{1}{8}$ " = 1'-0"

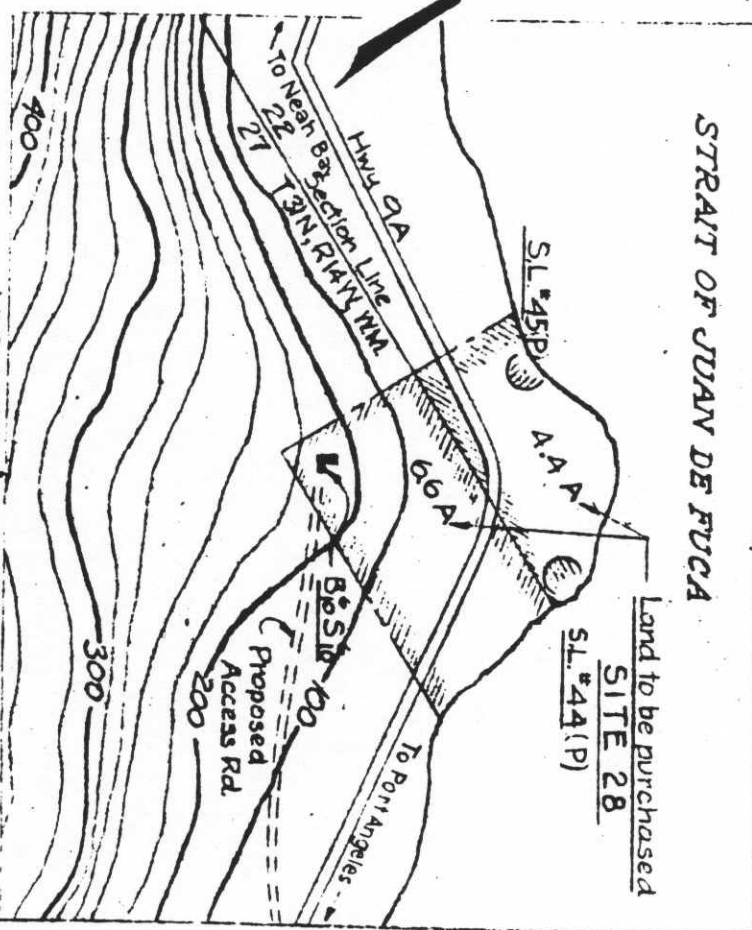
HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 B5 S10
 UPPER AGENCY
 Scales as indicated
 In 1 Sheet
 Scale $\frac{1}{8}$ " = 1'-0"
 US Engineer Area Office, Port Townsend, Wash.
 Prepared: [Signature]
 Checked: [Signature]
 D. B. M. Asst. Engineer
 Submitted: [Date]
 Approved: [Signature]
 Capt. C. E. Aero Engineer
 Sept. 7, 1942
 EXHIBIT NO. 12B



PLAN (Fittings not shown)
Scale $\frac{1}{8}$ " = 1'-0"



SECTION A-A
Scale $\frac{1}{8}$ " = 1'-0"



VICINITY MAP
Datum is Mean Sea Level
Scale 1" = 500'

REMARKS: Reinforced Concrete Construction
Install Vents, Chimney and Stove
Provide Visor in Front of Slots
Provide Sash Windows for Inside of Slots
Construct Access Road
Excavation Consists Mainly of Solid Rock

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
Bio-Sig
KNDB

In 1 Sheet
Scale $\frac{1}{8}$ " = 1'-0"

U.S. Engineer Area Office, Port Townsend, Wash.
Prepared by: *[Signature]*
Dr. M. Asst. Engineer
Submitted: *[Signature]*
Ch. M. Assoc. Engineer

Approved: *[Signature]*
Capt. C.E. Area Engineer
Sept. 7, 1942

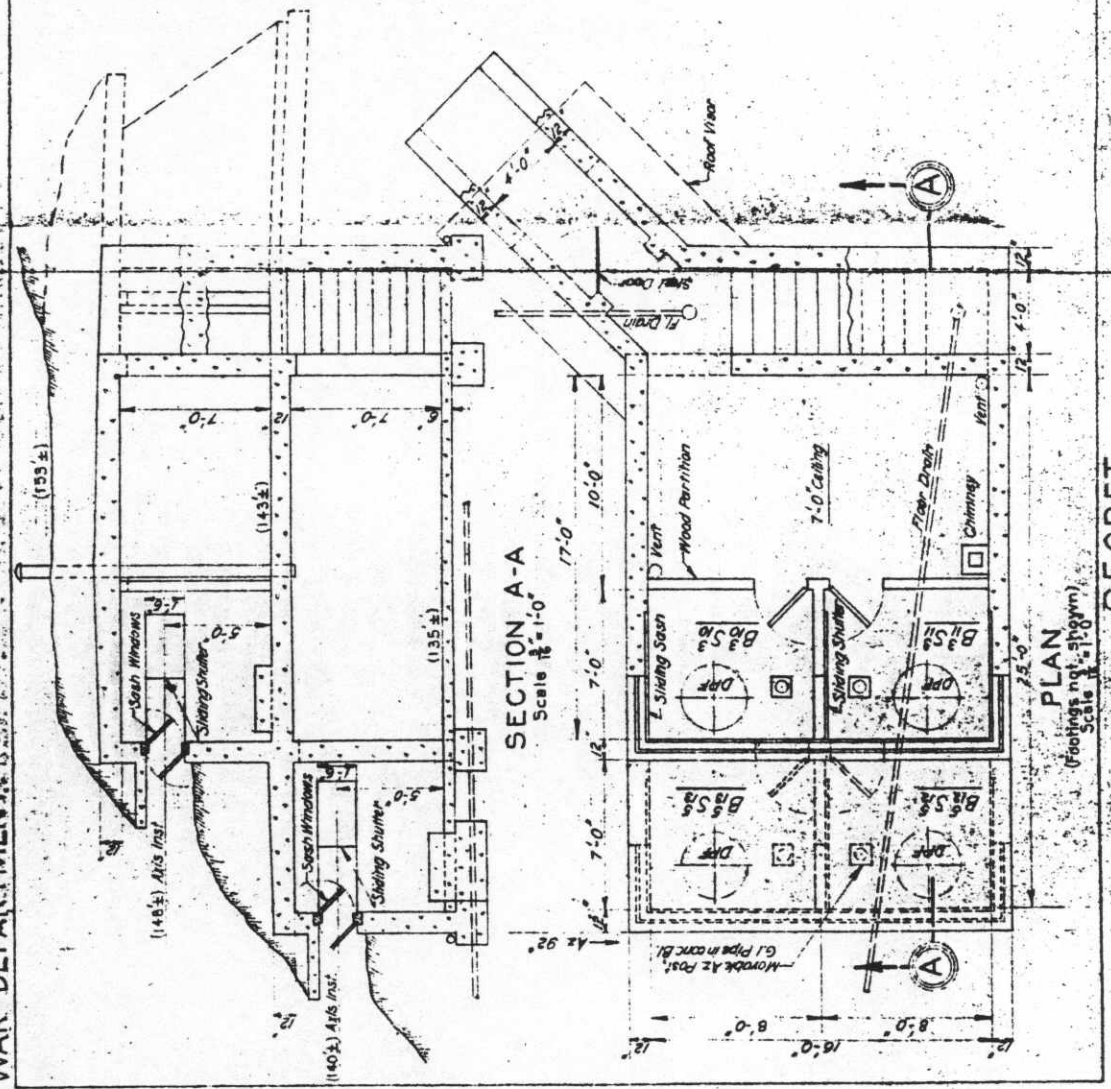
EXHIBIT NO. 11B

REMARKS:

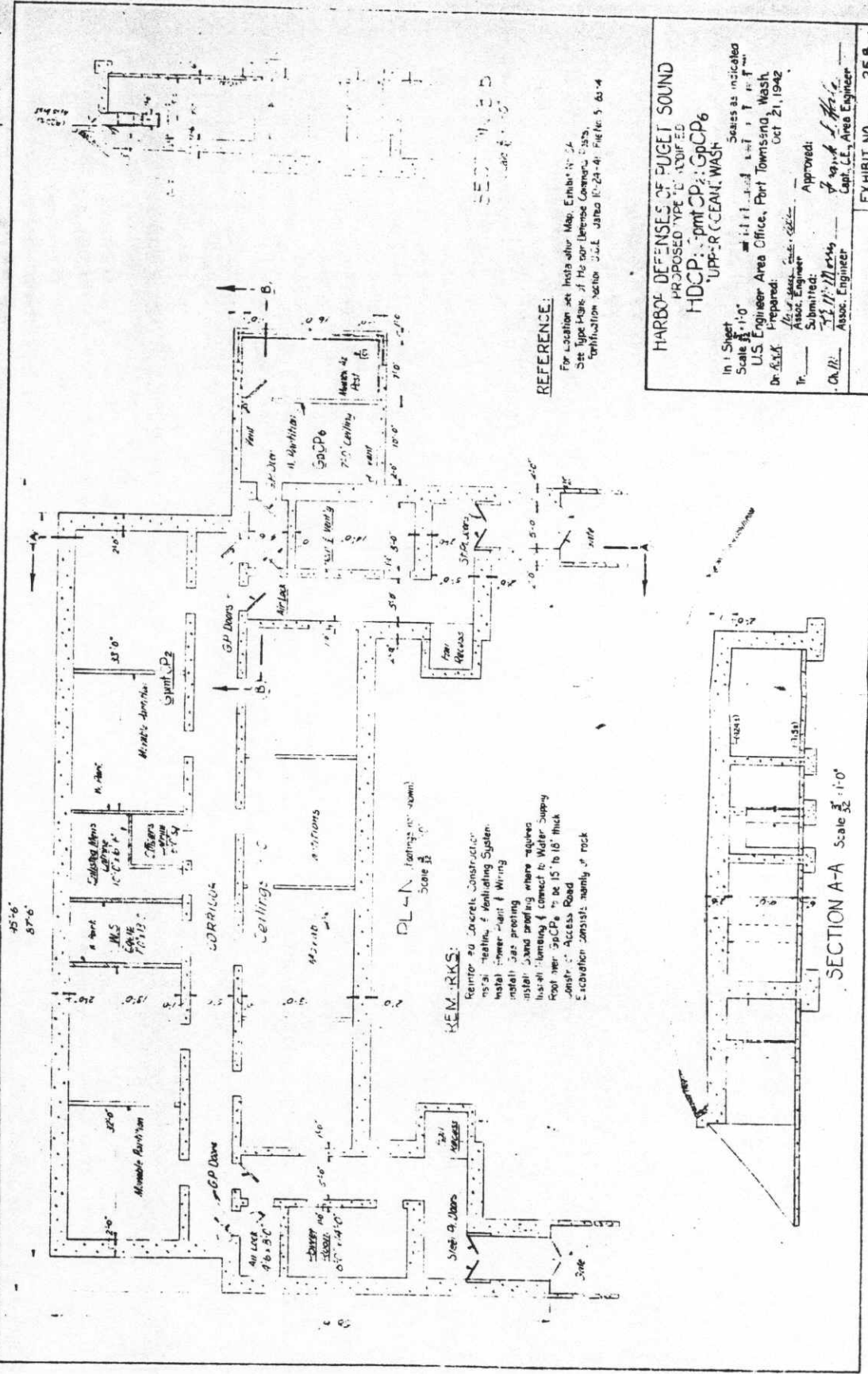
Reinforced Conc. Construction
Install Vents, Chimney & Stoves
Provide Visor in Front of Slots
Provide Sash Windows for inside of Slots
Construct Access Road
Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level.
For Location see Installation Map, Exhibit No. 5A



HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 B 3 S 10, B 3 S 11, B 5 S 12, B 5 S 13
 KLASSET, MAKAH INDIAN RESERVATION WASH.
 In 1 Sheet Scale 1/8" = 1'-0"
 U.S. Engineer Area Office, Port Townsend, Wash.
 Prepared by: *John S. ...* Sept 5, 1942.
 Tr: Submitted
 Approved: *...*
 Ck: *...* Area Engineer
 EXHIBIT NO. 15B



REFERENCE:

For location see Intra-urban Map, Exhibit 1-24
 See Type Plans of Harbor Defense Command, 1-25, 1-26, 1-27, 1-28, 1-29
 Fortification Number 332-E, Annex 10-24-4, File No. 5 63-4

HARBOR DEFENSES OF PUGET SOUND

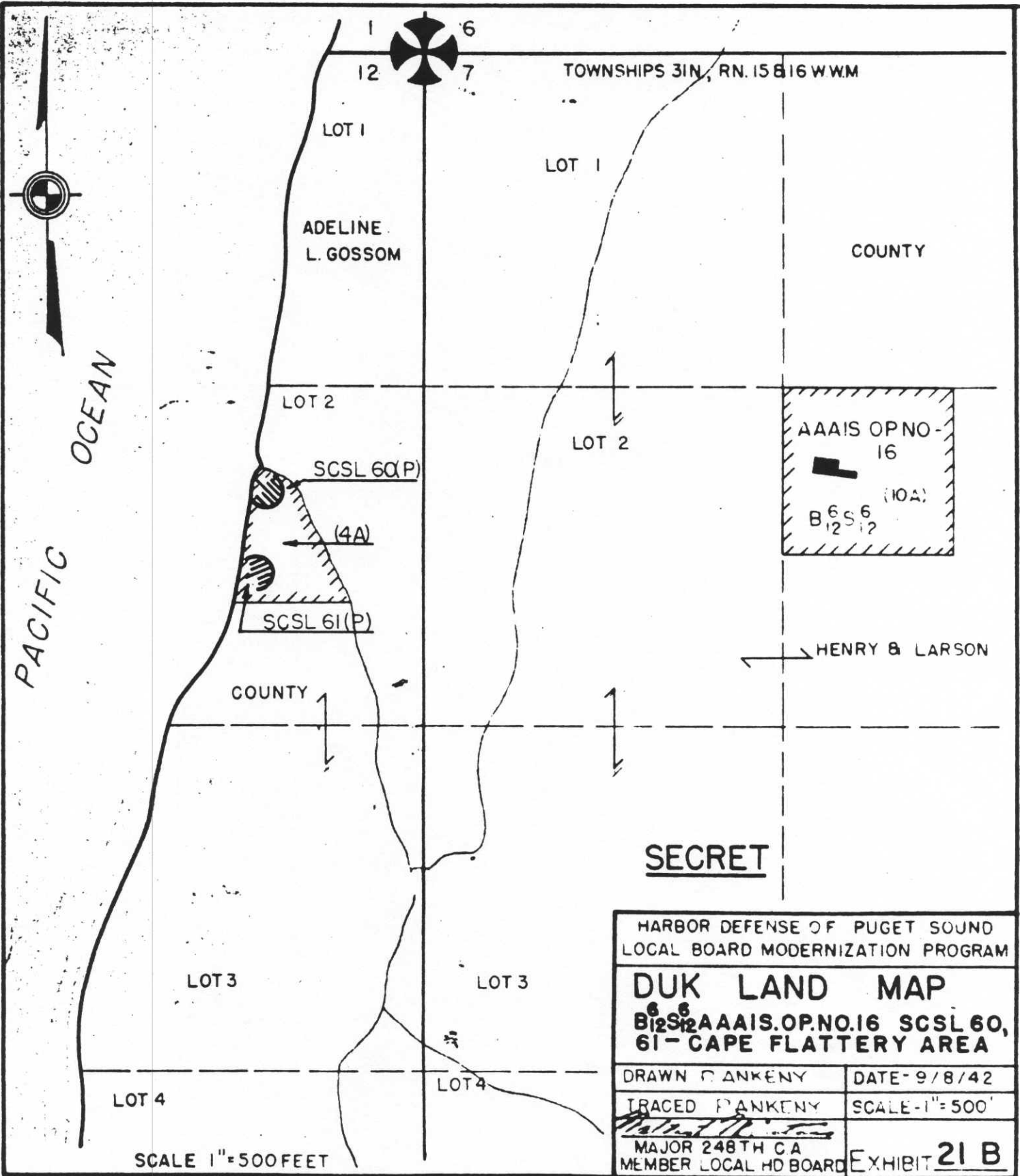
PROPOSED TYPE "E" SOUND BARRIER

HDCP: 3000 CP2: GpCP6

UPPER OCEAN, WASH

In 1 Sheet
 Scale 3/4" = 1'-0"
 Prepared by: U.S. Engineer Area Office, Port Townsend, Wash.
 Dr. G.S.K.
 Assoc. Engineer
 Submitted: Oct 21, 1942
 Approved: [Signature]
 Capt. C.E. Area Engineer

SECTION A-A Scale 3/4" = 1'-0"

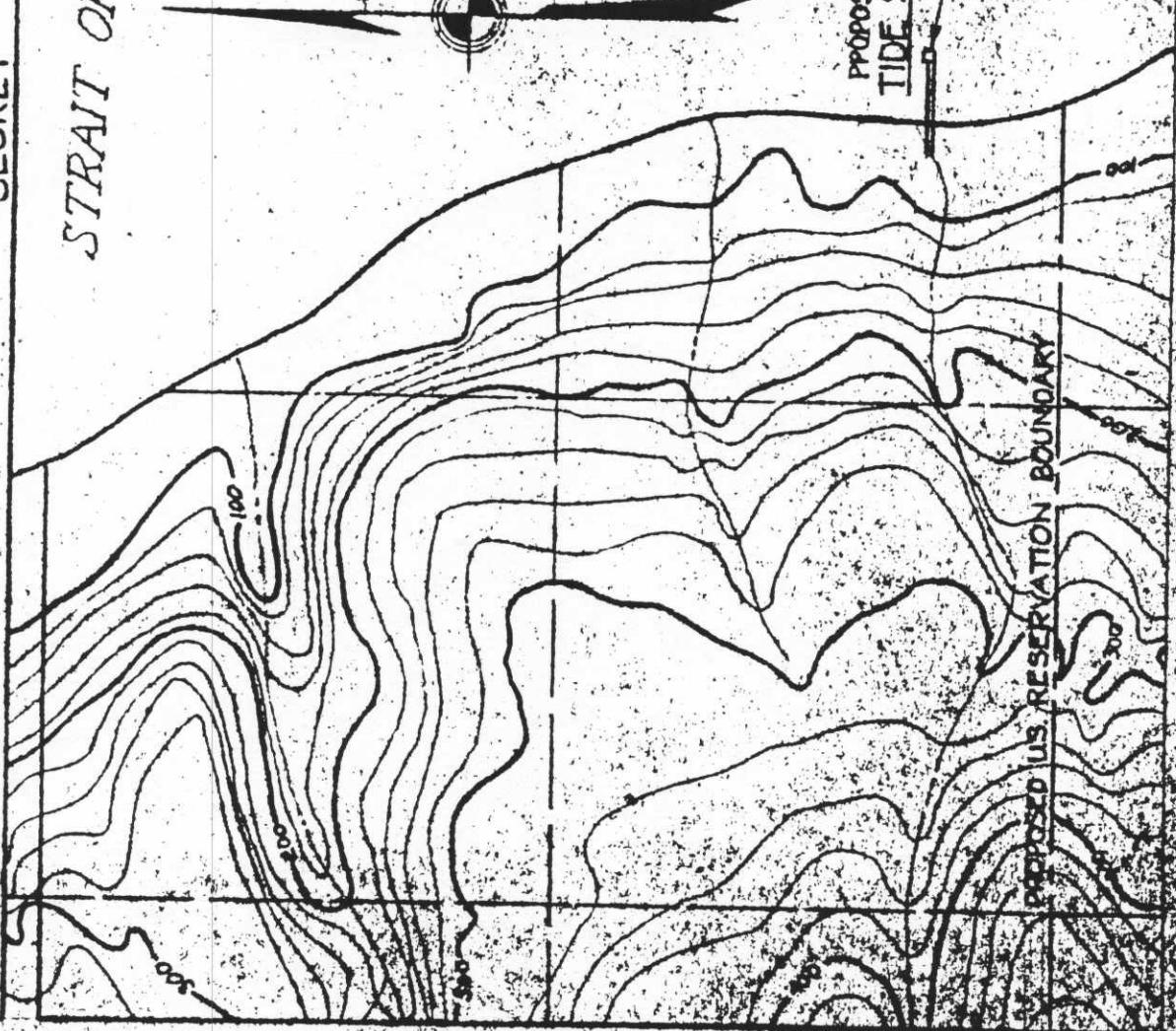


SCALE 1"=500 FEET

SECRET

HARBOR DEFENSE OF PUGET SOUND LOCAL BOARD MODERNIZATION PROGRAM	
DUK LAND MAP	
B⁶S⁶AAAIS.OP.NO.16 SCSL 60, 61-CAPE FLATTERY AREA	
DRAWN PANKENY	DATE-9/8/42
TRACED PANKENY	SCALE-1"=500'
MAJOR 248TH CA MEMBER LOCAL HD BOARD	EXHIBIT 21 B

STRAIT OF JUAN DE FUCA



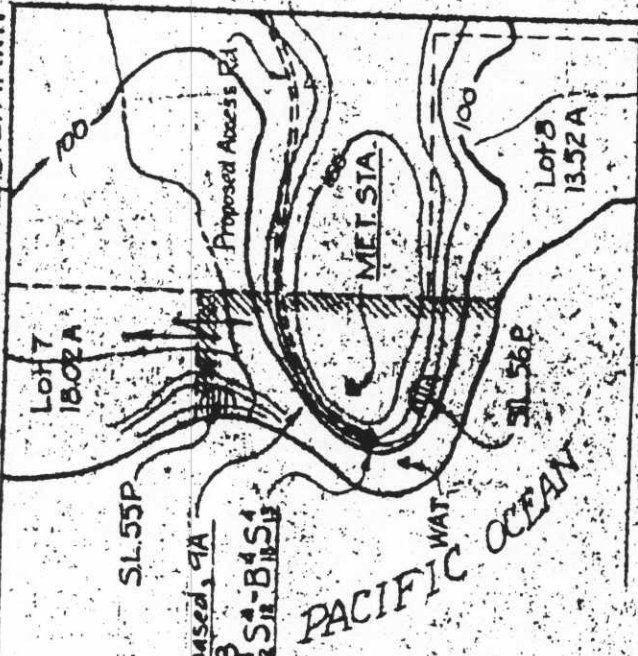
REMARKS:

Small Timber Structure, approx. 51.5' Floor Area, on Ortho-
sotic Piling, connected to Land with Plankwalk on Ortho-
sotic Piling.
Wood Staff Gauge to be located on Copper Cylinder
and raised in Chebotovet. Metal Box, the latter to be
perforated at bottom.
Gauge to be set in such location, that zero on
Mean Low Water can be read on Staff.
Determine Location by Soundings.

REFERENCE:

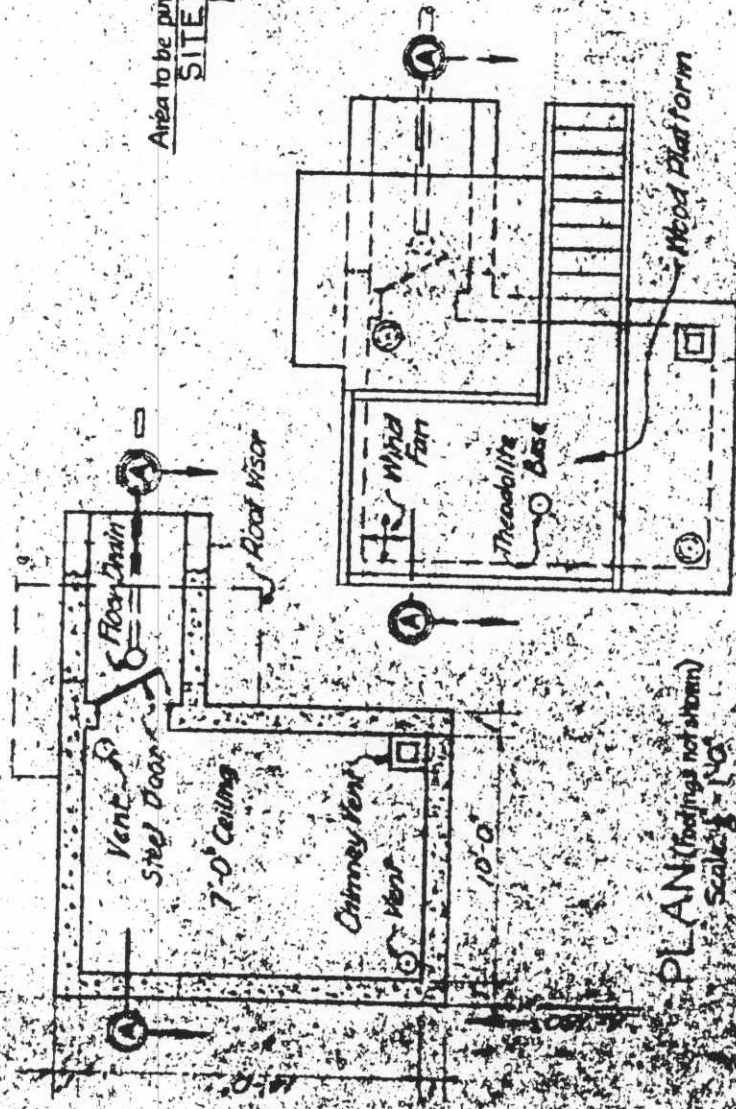
For the Locality of Neah Bay, the Mean Low
Water and Mean Sea Level is 4.53 ft (approx) as given by Tidal Datum
Plane, US Engineer Office Seattle File No. TD24,
dated Sept. 7, 1942.
See Installation Maps, Exhibit No. EA.

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
TIDE STA.
KOTILLAH PT. SOUTH
THIS STATION IS TO BE LOCATED AS INDICATED
ON THE ATTACHED MAP
U.S. ENGINEER OFFICE SEATTLE
DATE: *10/1/42*
BY: *[Signature]*
CHECKED BY: *[Signature]*
EXHIBIT NO. EA B



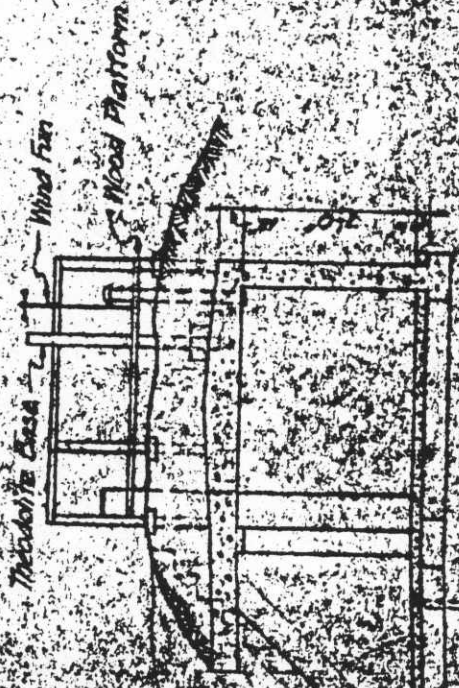
VICINITY MAP
 WAT. MAKAPUONO RESERVATION, WASH
 Datum is Mean Sea Level Contour Interval 20'
 Scale 1" = 500'

Area to be purchased, 91A
 SITE 33
 D/S 11-B/S 14



ROOF PLAN
 Scale 1/8" = 1'-0"

PLAN (Findings not shown)
 Scale 1/8" = 1'-0"



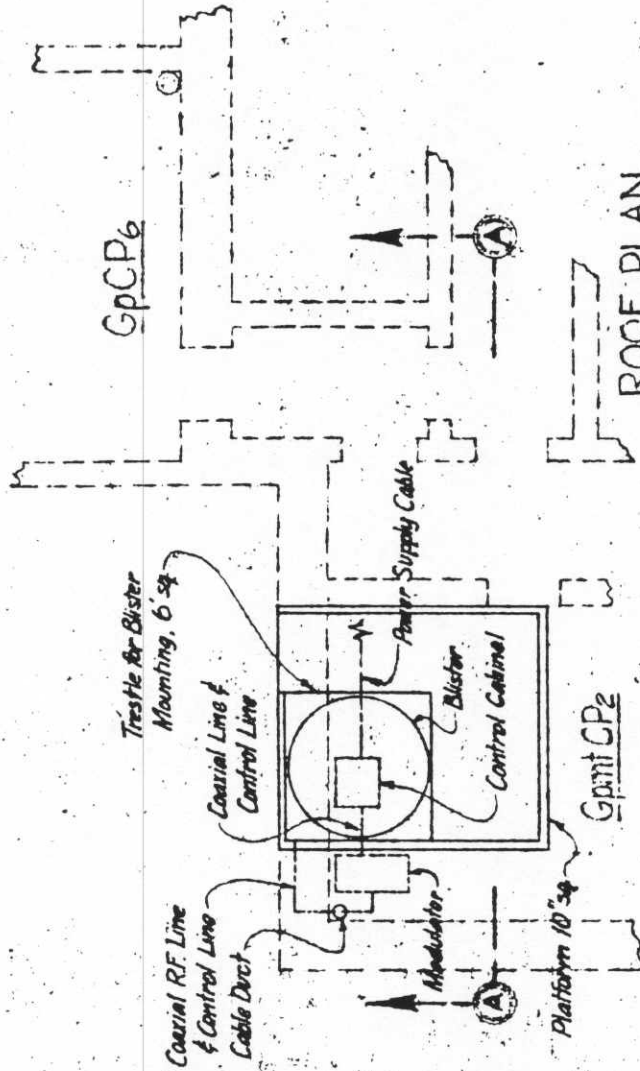
SECTION A-A

REMARKS:

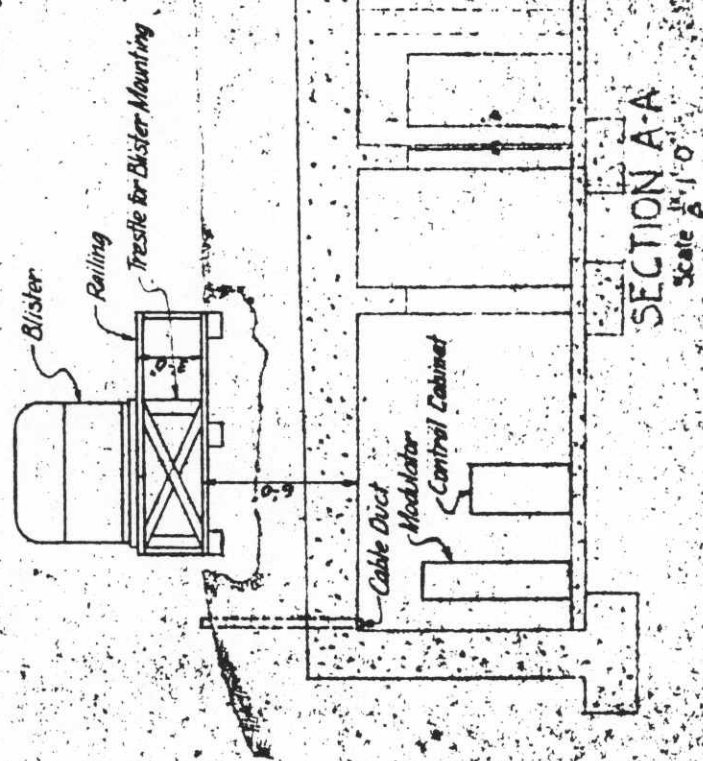
- Reinforced Concrete Construction
- Install Vents, Chimney and Stove
- Provide Visor in Front of Slots
- Provide Sash Windows for Inside of Slots
- Construct Access Road
- Excavation to establish continuity of Spill Rack

HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 MET. STA.

IN L.S. 11-11-42
 S.A. 11-11-42
 U.S. ENGINEER FROM CHIEF EAST DISTRICT WASH
 DISTRICT ENGINEER
 DATE
 CHIEF DISTRICT ENGINEER
 DISTRICT NO. 25B



ROOF PLAN
Scale 8" = 1'-0"



SECTION A-A
Scale 1" = 1'-0"

REMARKS:

This SCR-582 to be installed in proposed HBCP-Gpnt CP2, see Exhibit No. 35 B. Initial lines indicate proposed installation. Construct shelter for 2 Power Units. Install one 1000 gallon Fuel Tank. For Blister mounting see Plan of Blister Mounting Assembly, Signal Corps Laboratories Drawing No. ES-A-10966.

REFERENCE:

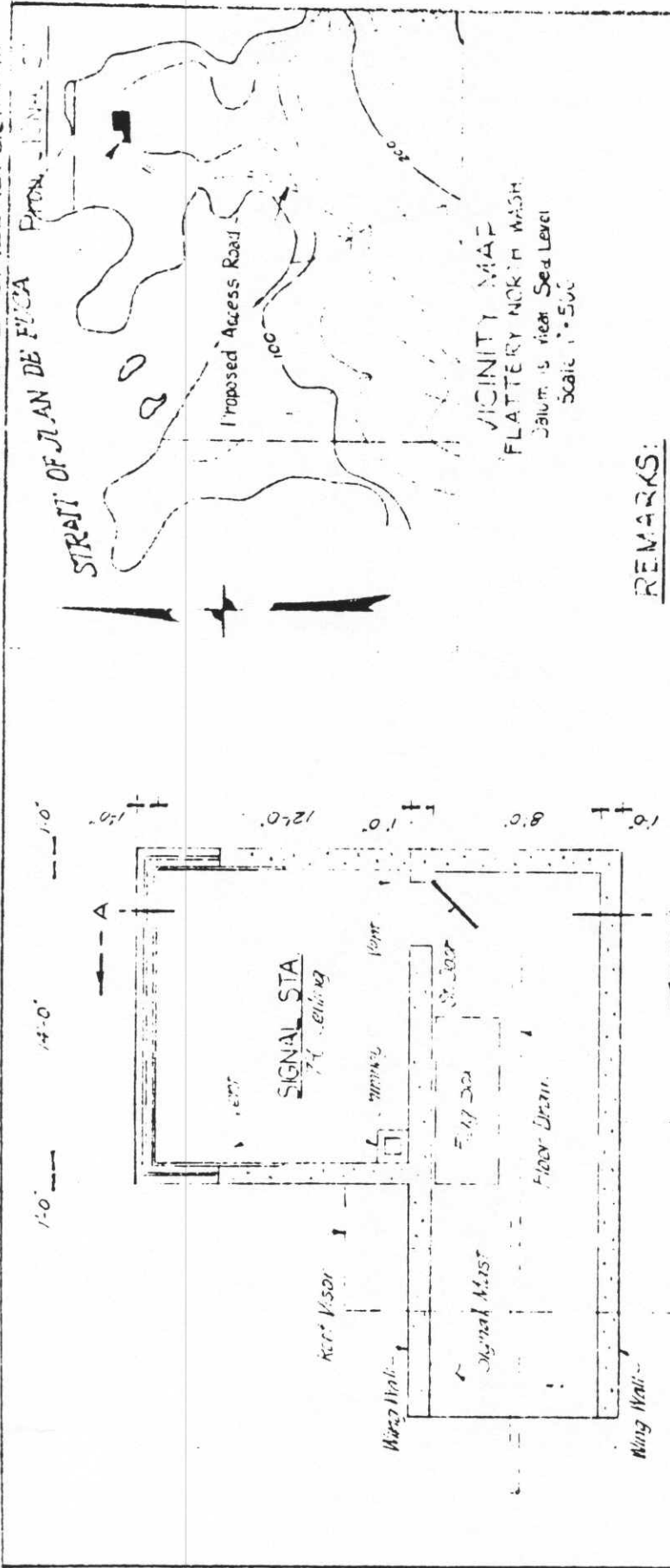
For Location see Installation Map, Exhibit No. 5A.
See letter 6602, HQ, HD of PS, dated May 22, 1942, with instructions & Drawings inclosures.

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
GENERAL SURVEILLANCE DETECTOR
SET NO. 3, SCR-582
UPPER OCEAN, WASH.

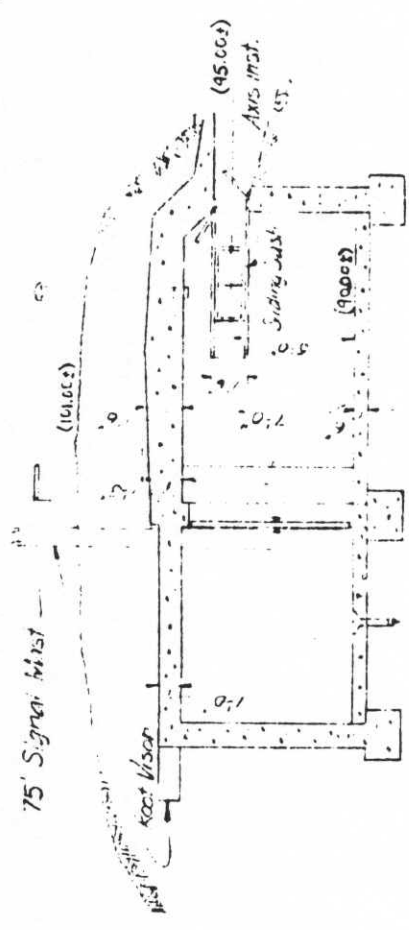
In 1 Sheet
Scale 1" = 1'-0"
Scales as Indicated

U.S. Engineer Area Office, Port Townsend, Wash.
Prepared by: *[Signature]*
Assoc. Engineer
Submitted: *[Signature]*
Approved: *[Signature]*
Assoc. Engineer

EXHIBIT NO. 24B



PLAN Footings (not shown)
Scale $\frac{1}{8}'' = 1'-0''$



SECTION A-A
Scale $\frac{1}{8}'' = 1'-0''$

REMARKS:

- Reinforced Conc Construction
- Install Lighting, Vents, Chimney & Stove
- Install Mast Bases
- Provide Sash Windows for inside of Sigs
- Erect 75' Signal Mast
- Construct Flag Box
- Construct Access Road

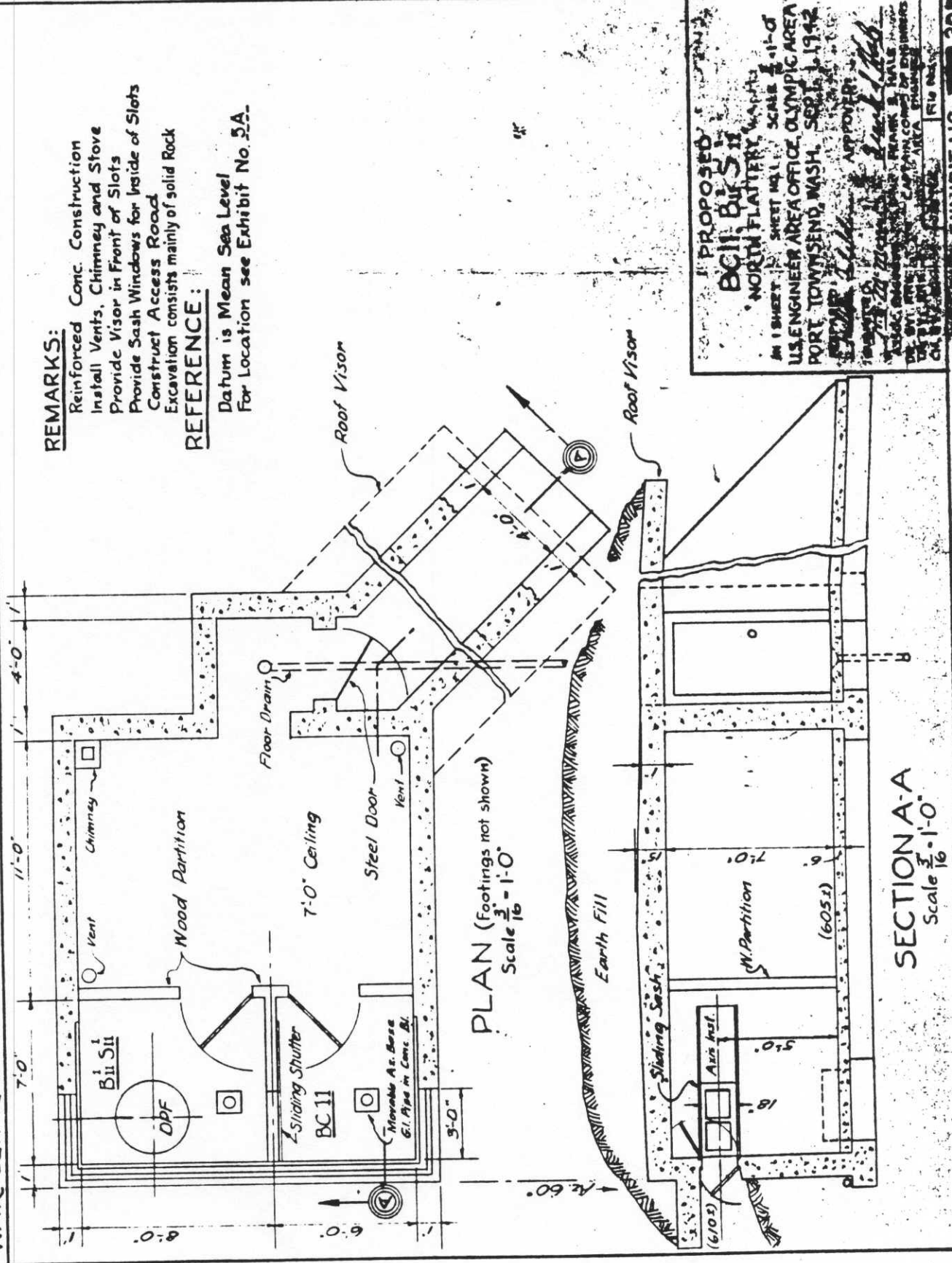
HARBOR DEFENSES OF PUGET SOUND
PROPOSED
SIGNAL STA.
"FLATTERY NORTH, WASH."

In 1 Sheet
Scale $\frac{1}{8}'' = 1'-0''$ Scales as indicated

US Engineer Area Office, Port Townsend, Wash.
Prepared: *[Signature]* Oct. 20, 1942

Tr. *[Signature]* Assoc. Engineer
Sylvan Hood
Approved: *[Signature]* Captain, Area Engineer

EXHIBIT NO. 25 B



REMARKS:

- Reinforced Conc. Construction
- Install Vents, Chimney and Stove
- Provide Visor in Front of Slots
- Construct Sash Windows for Inside of Slots
- Construct Access Road
- Excavation consists mainly of solid Rock

REFERENCE:

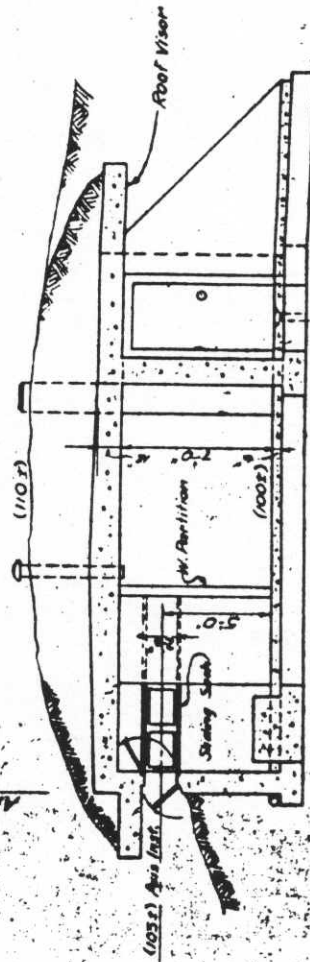
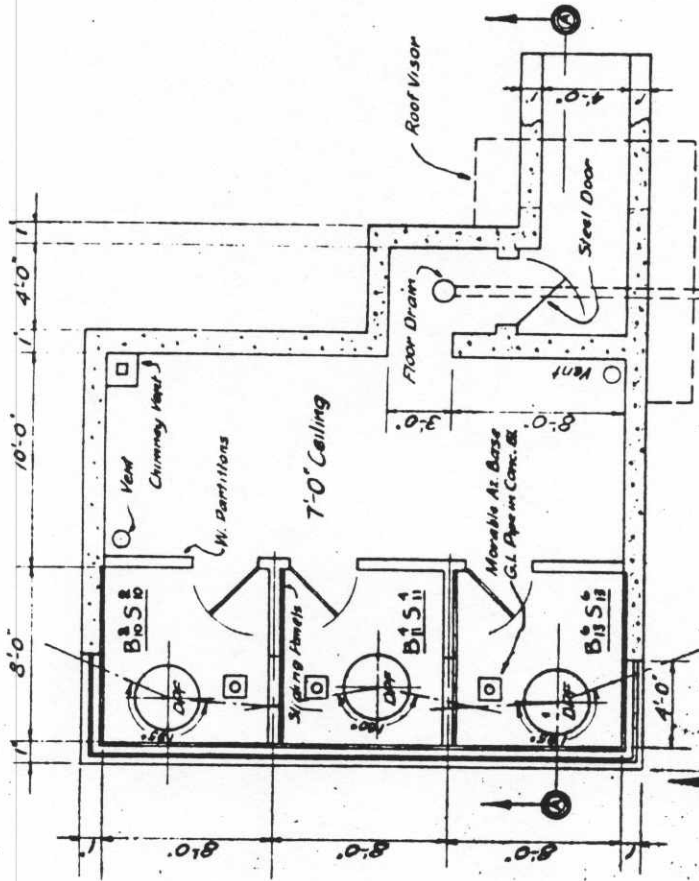
Datum is Mean Sea Level
 For Location see Exhibit No. 5A.

PROPOSED
BC 11, Bldg. S. II
 NORTH BATTERY, WASH. DC
 AN 1 SHEET SHEET NO. 11 SCALE 3/16 - 1'-0"
 U.S. ENGINEER AREA OFFICE OLYMPIC AREA
 PORT TOWNSEND, WASH. STATE, 1942

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

DATE: [Date]
 DRAWN BY: [Signature]
 CAPTAIN, CORPS OF ENGINEERS
 U.S. ARMY
 CIVIL ENGINEER

EXHIBIT NO. 5A



REMARKS:

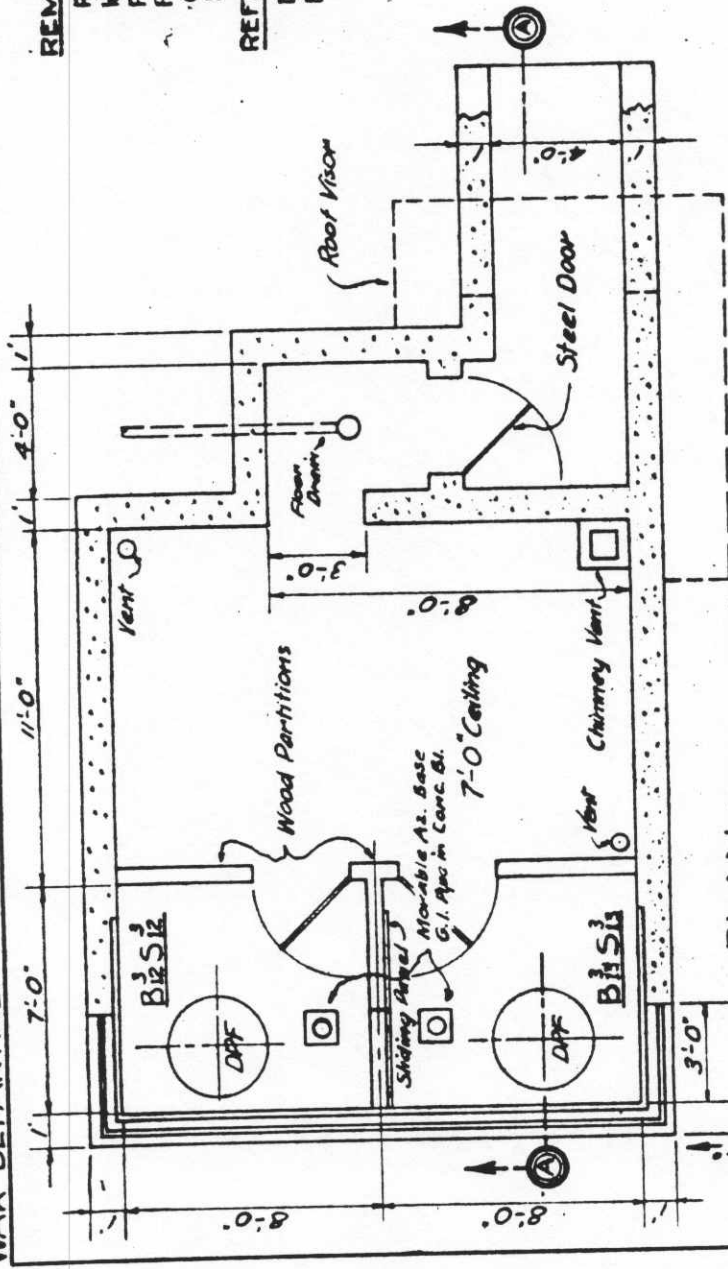
Reinforced Concrete Construction
 Install Vents, Chimney and Stove
 Provide Visor in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation consists mainly of solid Rock

REFERENCE:

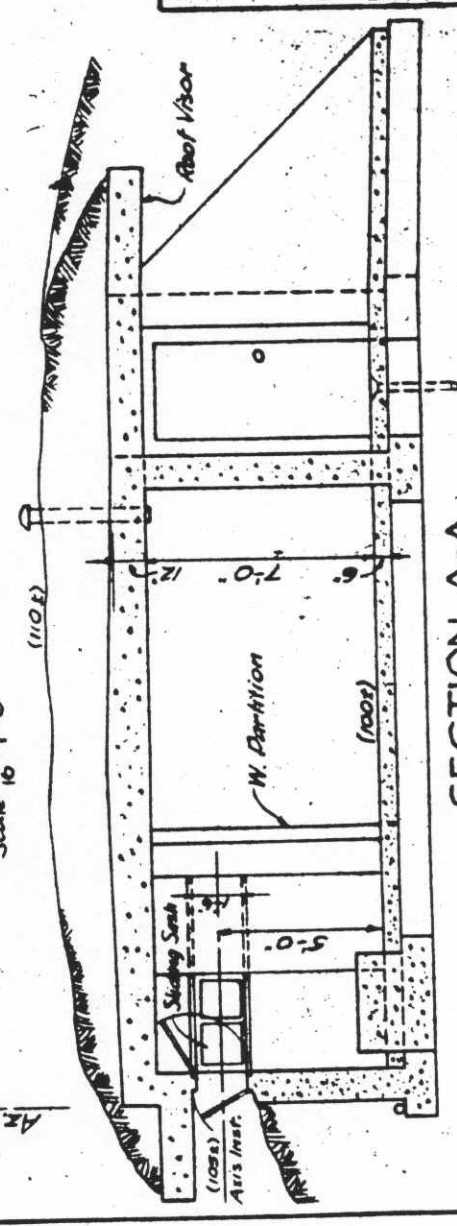
Datum is Mean Sea Level
 For Location see Exhibit No. 5A

HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 BATTERY BATTERY CREEK
 Scales as indicated
 In 1 Sheet
 Scale $\frac{1}{8}'' = 1'-0''$
 U.S. Engineer Area Office, Fort Townsend, Wash.
 Prepared: *[Signature]*
 Dr. BRK Asst. Engineer
 F. BRK Submitted
 Approved: *[Signature]*
 Lt. Col. M. J. Morris, Capt., C.E. Area Engineer
 Sept. 4, 1942

EXHIBIT NO. 31B



PLAN (Footings not shown)
Scale $\frac{3}{16}$ " = 1'-0"



SECTION A-A
Scale $\frac{3}{16}$ " = 1'-0"

REMARKS:

Reinforced Conc. Construction
Install Vents, Chimney and Stove
Provide Visor in Front of Slots
Provide Sash Windows for Inside of Slots
Construct Access Road
Excavation consists mainly of solid Rock

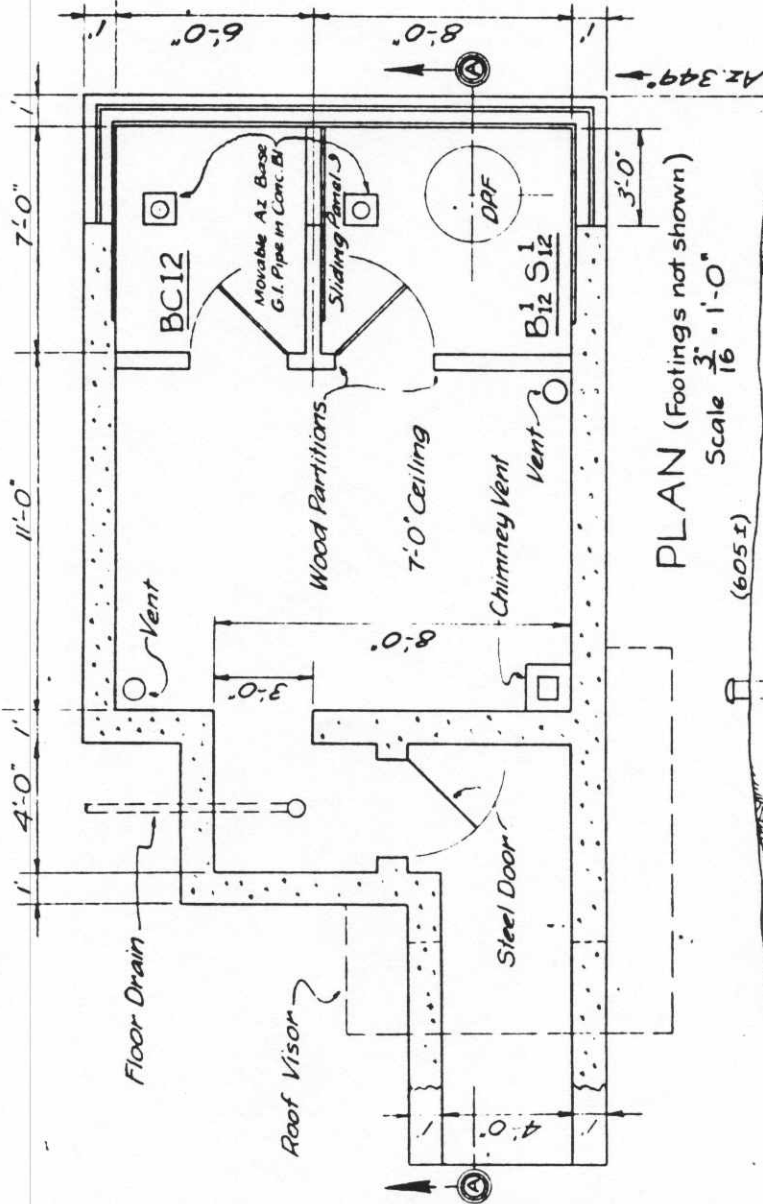
REFERENCE:

Datum is Mean Sea Level
For Location see Exhibit No. 5A

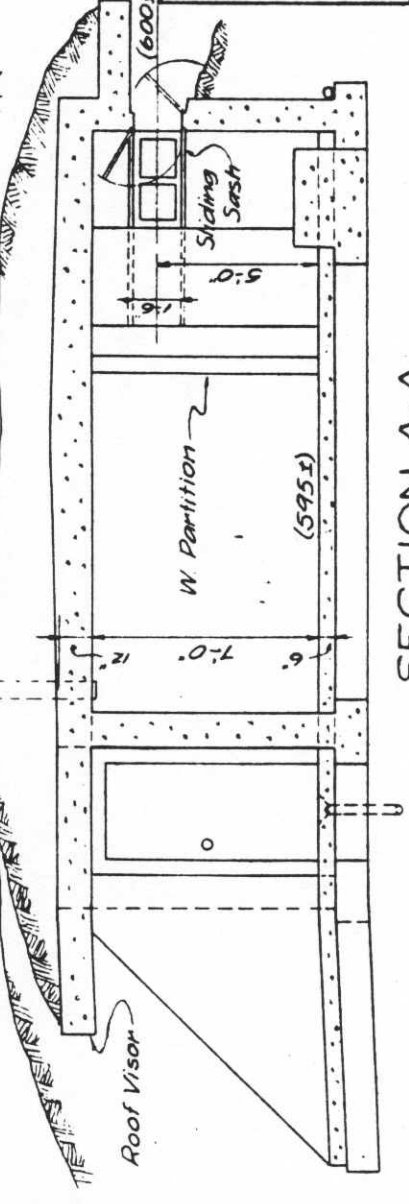
HARBOR DEFENSES OF PUGET SOUND
PROPOSED
BESSIS - BUSSIE
KESSISO

In 1 Sheet
Scale 1/8" = 1'-0"
U.S. Engineer's Office, Port Townsend, Wash.
Prepared by *W. J. Kelly*
Checked by *W. J. Kelly*
Approved: *W. J. Kelly*
Submitted: *7/27/42*
Capt., CE, Area Engineer

EXHIBIT NO. 32B



PLAN (Footings not shown)
Scale $\frac{3}{16} = 1'-0''$



SECTION A-A
Scale $\frac{3}{16} = 1'-0''$

REMARKS:

Reinforced Conc. Construction
Install Vents, Chimney and Stove
Provide Visor in Front of Slots
Provide Sash Windows for Inside of Slots
Construct Access Road
Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level
For Location see Exhibit No. 5A

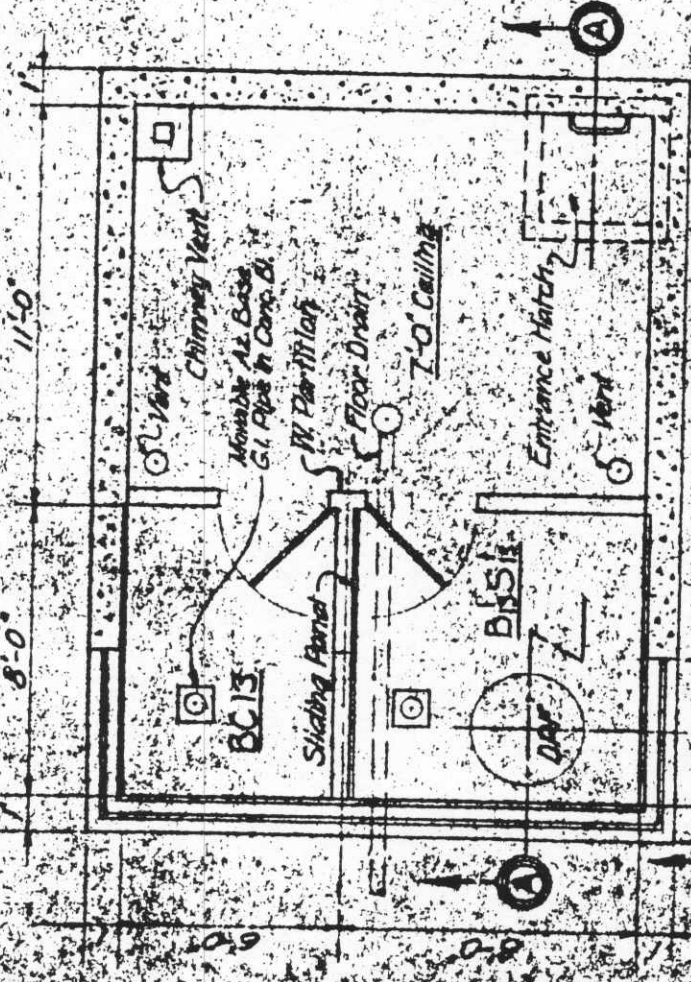
HARBOR DEFENSES OF PUGET SOUND
PROPOSED

BC12-B12 S1/2
"UPPER BLUFF"

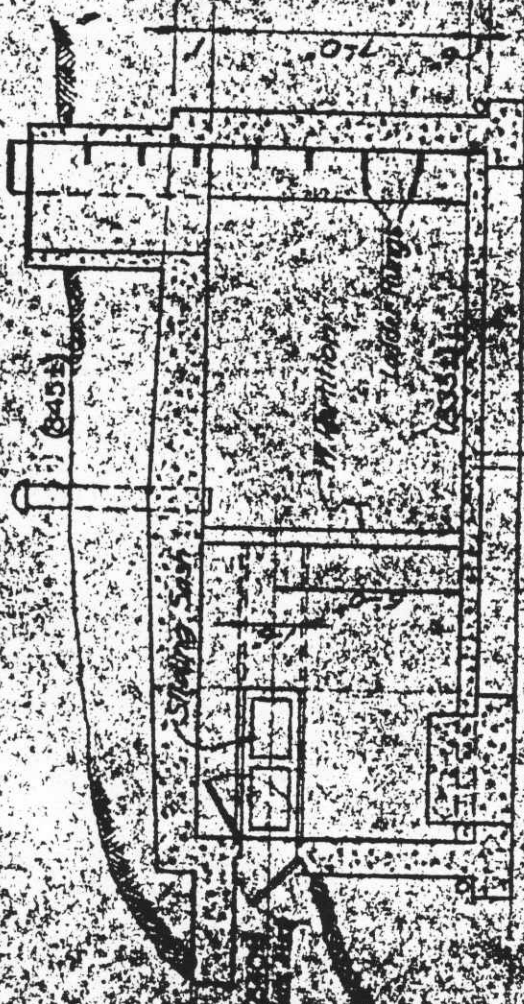
In 1 Sheet
Scale $\frac{3}{16} = 1'-0''$
Scales as indicated
U.S. Engineer Area Office, Port Townsend, Wash.
Prepared by
Dr. W.K. Asst. Engineer
Submitted by
Capt. C.E. Area Engineer
Approved:
Sept. 5, 1942

Dr. W.K. Asst. Engineer
Submitted by
Capt. C.E. Area Engineer
Approved:
Sept. 5, 1942

EXHIBIT NO. 33B



PLAN (Footings not shown)
Scale 1/4" = 1'-0"



SECTION A-A
Scale 1/4" = 1'-0"

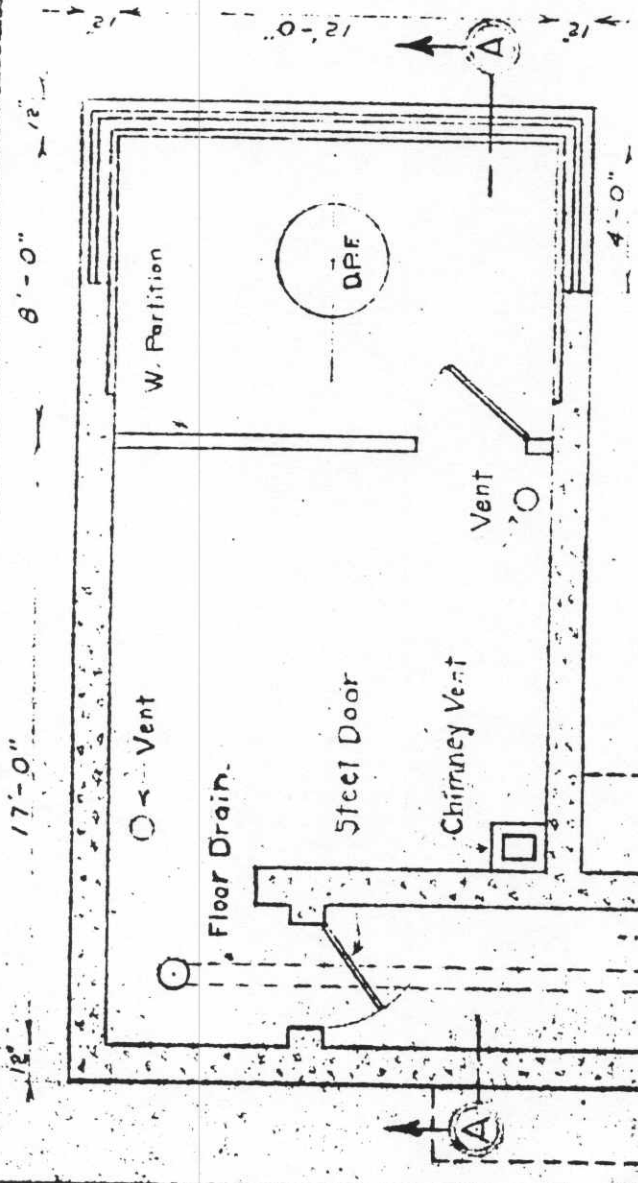
REMARKS:

Reinforced Concrete Construction
 Install Vents, Chimney and Stove
 Provide Vistas in Front of Slats
 Provide Window Sash for Inside of Slats
 Construct Access Road
 Excavation consists mainly of solid rock

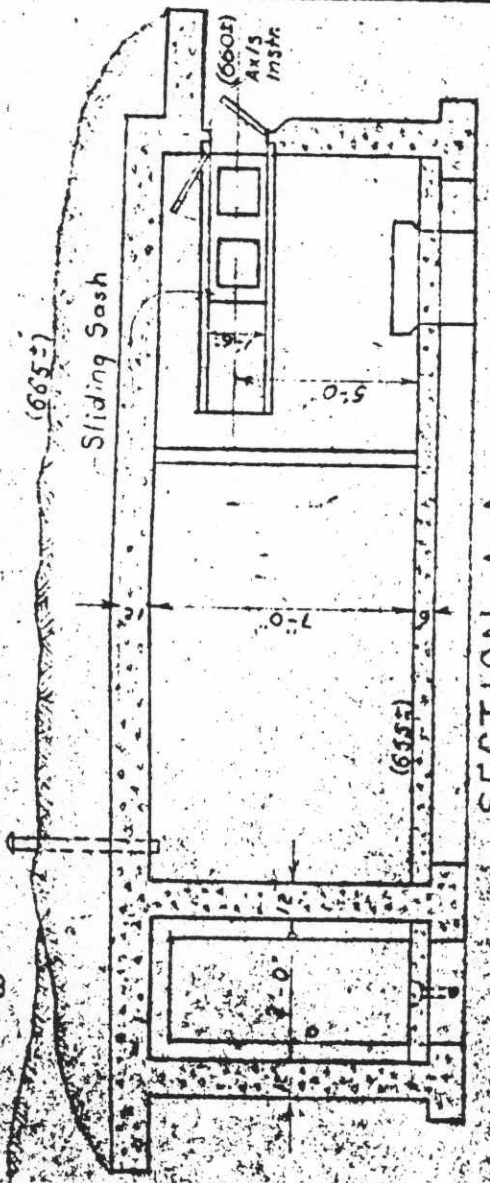
REFERENCE:

Datum is Mean Sea Level
 For Location, see Installation Map,
 Exhibit No. 3/A

HARBOR DEFENSES OF PUGET SOUND
 PROJECT NO. 100-1
 BC13, BC15
 U.S. ARMY CORPS OF ENGINEERS
 DISTRICT OFFICE, SEASIDE, WASH.
 IN CHARGE: J. W. GARDNER
 DRAWN BY: J. W. GARDNER
 CHECKED BY: J. W. GARDNER
 DATE: 10/10/42
 EXHIBIT NO. 3/A



PLAN (Footings not shown)
Scale $\frac{1}{4}$ " = 1'-0"



SECTION A-A
Scale $\frac{1}{4}$ " = 1'-0"

REMARKS

Reinforced Concrete Constr.
Install Vents Chimney and Stove
Provide Visors in Front of Slats
Provide Window Sash for
inside of Slats
Excavation consists mainly of solid Rock
Construct Access Road

REFERENCE

Datum is Mean Sea Level
For Location see Installation
Map, Exhibit No. 5A

HARBOR DEFENSES OF PUGET SOUND
PROPOSED

GP CP 5

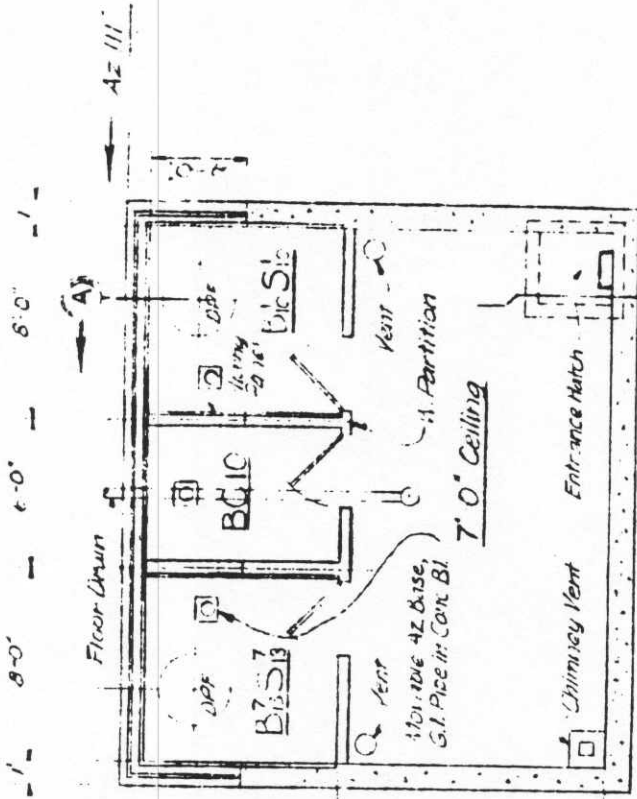
"UPPER FLATTERY"
Scale $\frac{1}{4}$ " = 1'-0"

In 1 Sheet
U.S. Engineer Area Office Port Townsend, Wash.
Prepared: Sept. 12, 1942

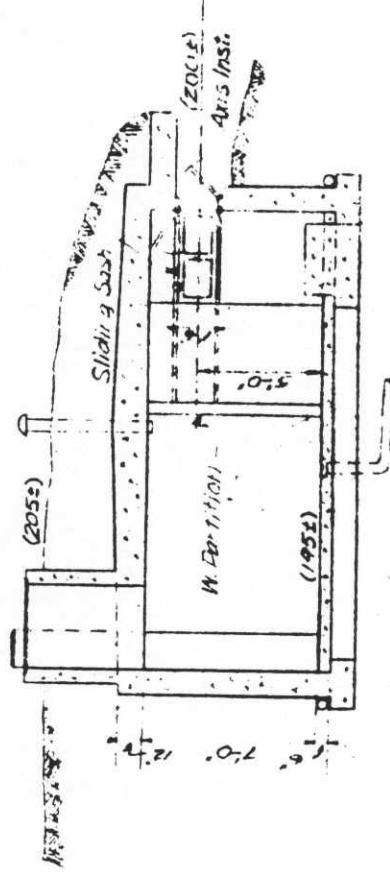
Dr. Wm. H. [Signature]
Asst. Engineer

Approved: [Signature]
Capt. C.E. [Signature]
Assoc. Engineer

EXHIBIT NC 368



PLAN (Footings not shown)
Scale $\frac{1}{8}'' = 1'-0''$



SECTION A-A
Scale $\frac{1}{8}'' = 1'-0''$

REMARKS:

Reinforced Concrete Construction
Install Vents, Chimney and Stove
Provide Viscer in Front of Slots
Provide Window Sash for Inside of Slots
Construct Access Road
Excavation consists mainly of solid Rock

REFERENCE:

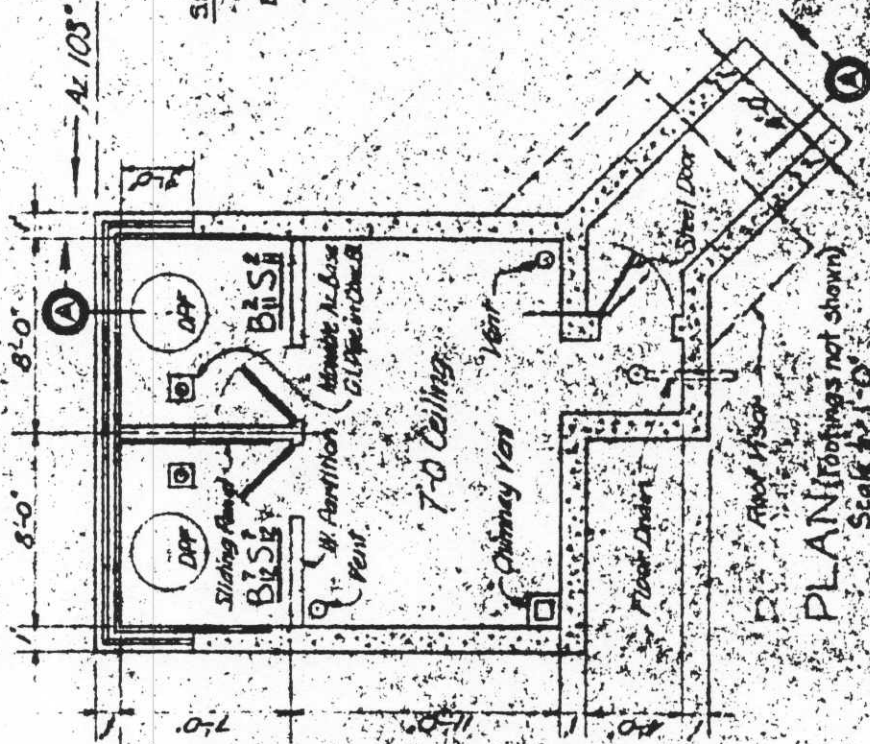
Datum is Mean Sea Level
For locations see Installation Map,
Exhibit No 5A

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
BC10-B151-B157
"K. O. TILAH PT."
Scale as indicated

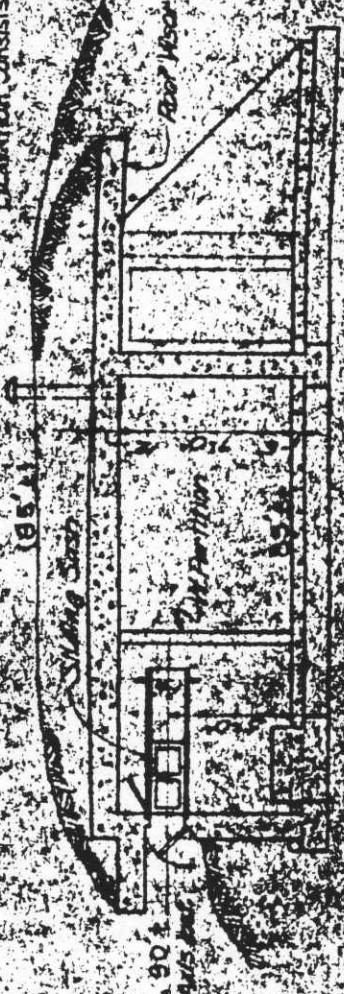
In 1 Sheet
Scale $\frac{1}{8}'' = 1'-0''$
U.S. Engineers Area Office, Port Townsend, Wash.
Prepared by
Dr. B. K. [Signature]
Ass't. Engineer
Submitted:
[Signature]
Ch. W. Assoc. Engineer

Approved:
[Signature]
Capt., U.S. Army Area Engineer

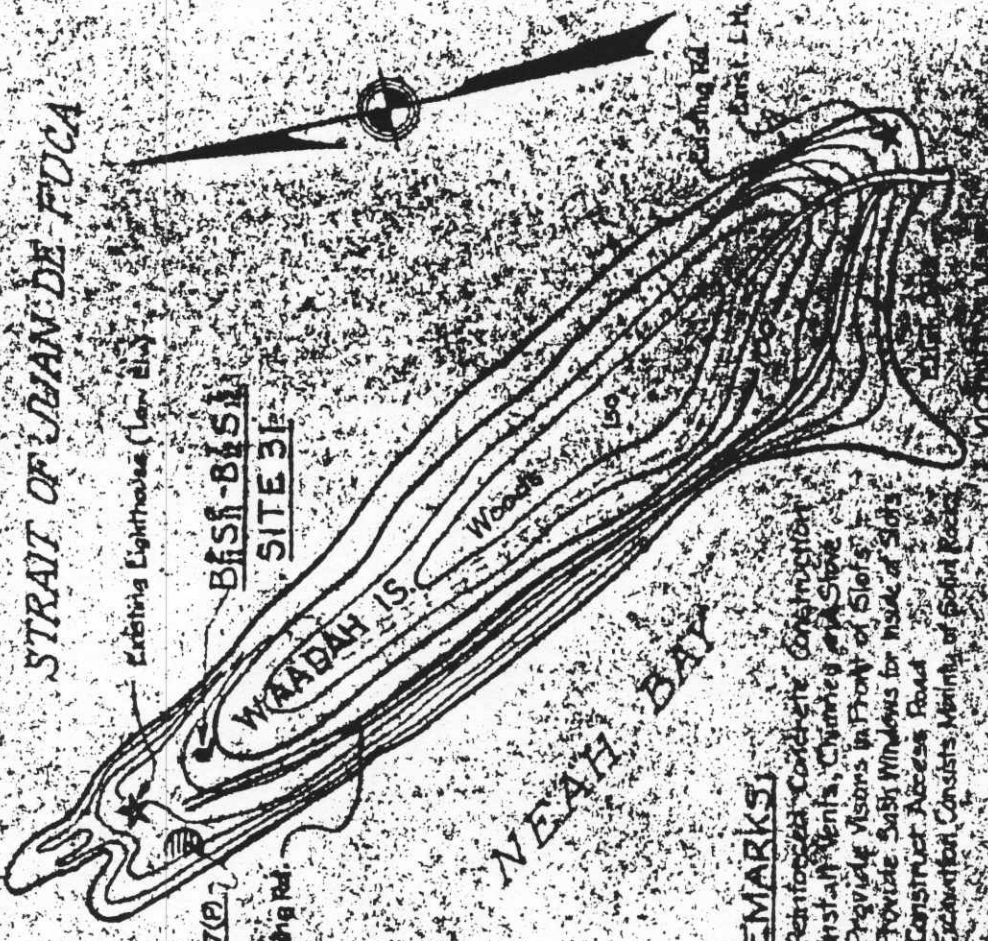
EXHIBIT NO. 38B



PLAN (Roofings not shown)
Scale 1/4" = 1'-0"

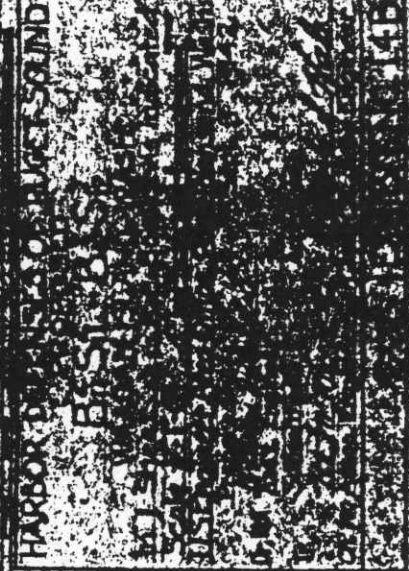


SECTION A-A



REMARKS:

- Reinforced Concrete Construction
- Install Vents, Chimney and Slope
- Provide Visions in Front of Slope
- Provide Sash Windows for inside of Slope
- Construct Access Road
- Excavated, Consists Mainly of Solid Rocks



HARBOR DE LA BAYE DE LA SOUND

WAR DEPARTMENT

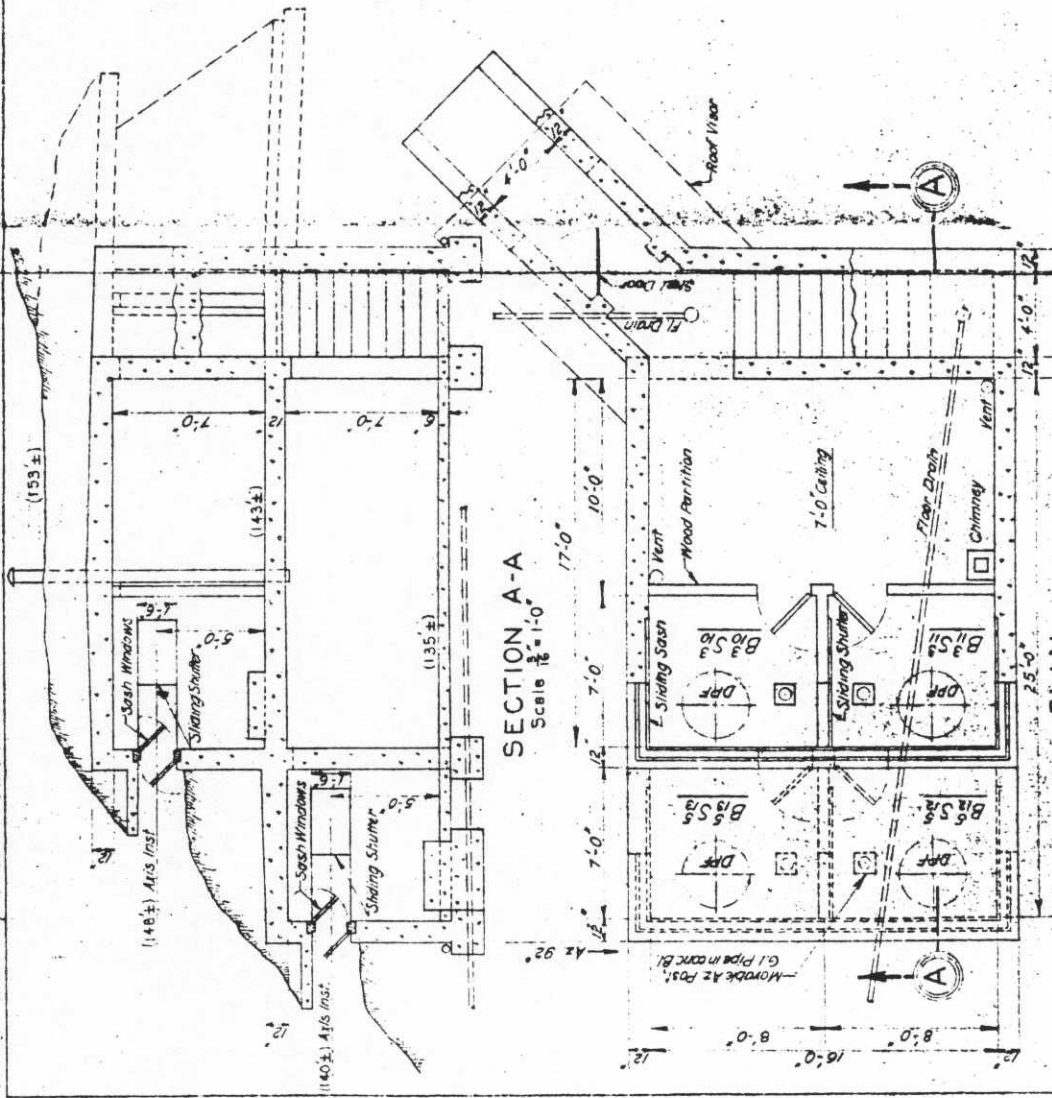
CORPS OF ENGINEERS, U.S. ARMY

REMARKS:

- Reinforced Conc. Construction
- Install Vents, Chimney & Shoves
- Provide Visor in Front of Slots
- Provide Sash Windows for inside of Slots
- Construct Access Road
- Excavation consists mainly of solid Rock

REFERENCE:

Datum is Mean Sea Level.
For Location see Installation Map, Exhibit No. 5A



SECTION A-A

Scale 1/8" = 1'-0"

PLAN

(Footings not shown)
Scale 1/4" = 1'-0"

HARBOR DEFENSES OF PUGET SOUND

PROPOSED

B 3 S10, B 3 S11, B 5 S12, B 5 S13

KLASSET, MAKAH INDIAN RESERVATION, WASH.

in 1 Sheet Scale 1/4" = 1'-0"

U.S. Engineer Area Office, Port Townsend, Wash.

Dr. by: [Signature] Asst. Engineer

Tr: Submitted: [Signature] Asst. Engineer

Ch: [Signature] Assoc. Engineer

Approved: [Signature] Asst. Engineer

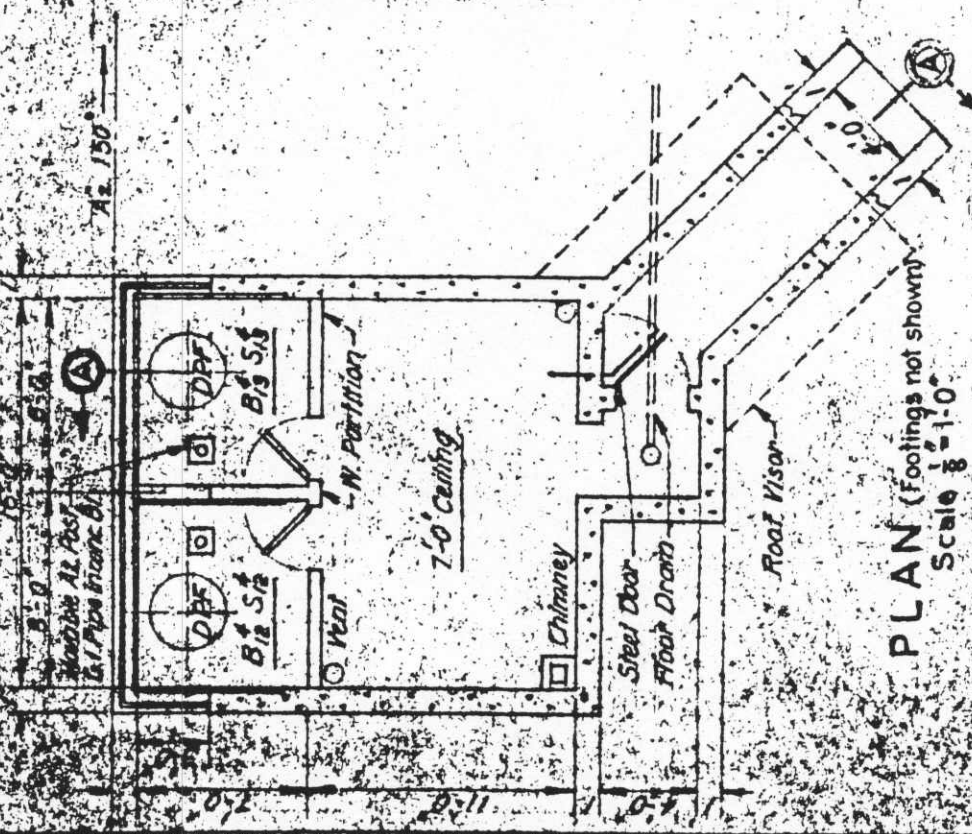
Sept. 5, 1942

EXHIBIT NO. 15B

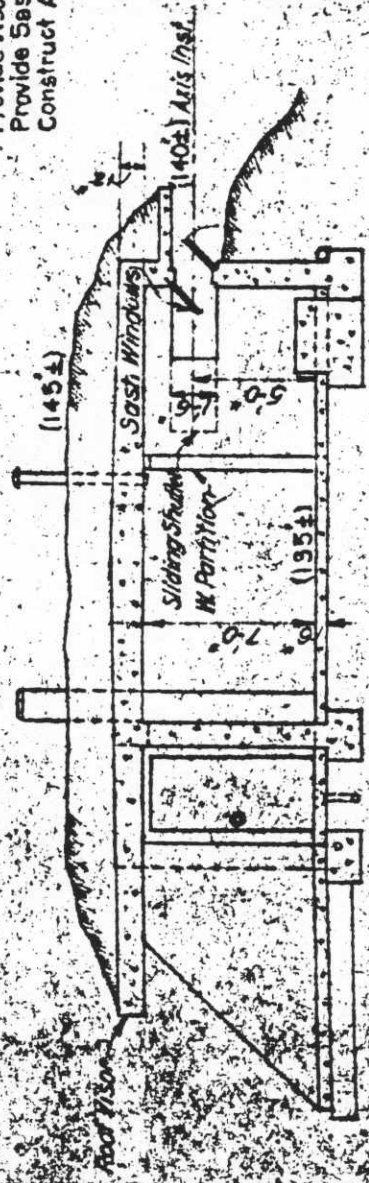
SECRET

SECRET

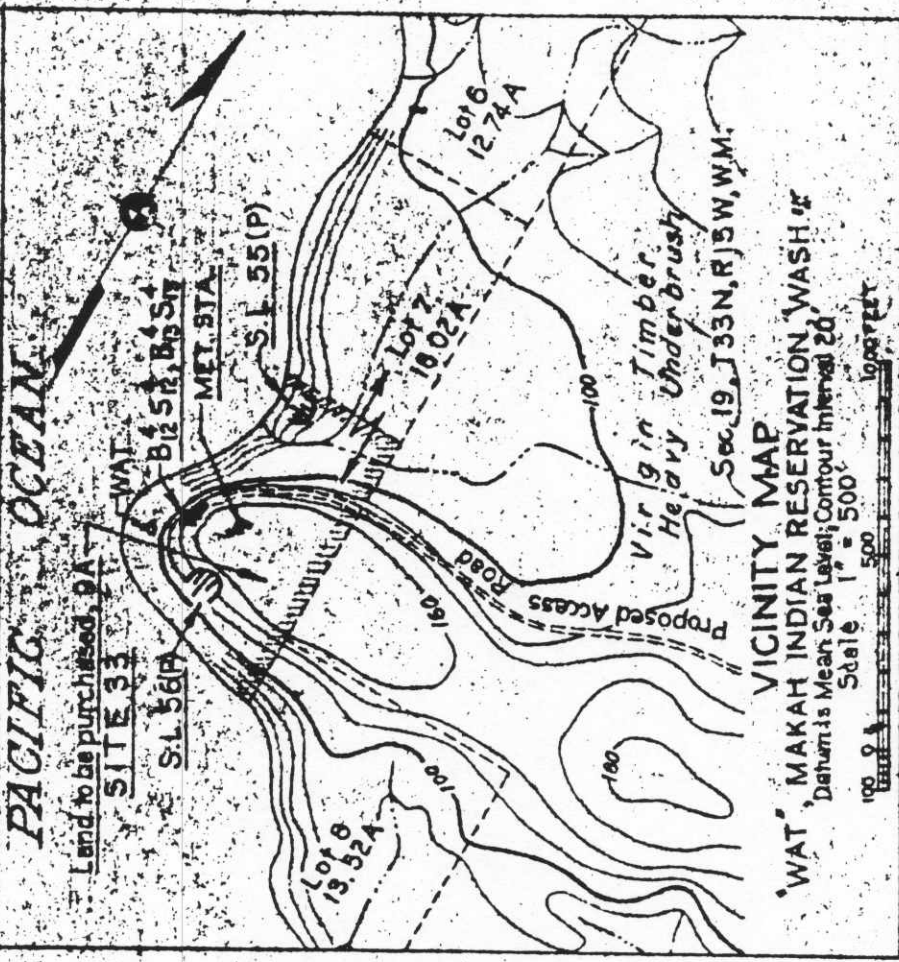
FILE NO.



PLAN (Footings not shown)
Scale 1/8" = 1'-0"



SECTION AA
Scale 1/8" = 1'-0"



VICINITY MAP
WAT, MAKAH INDIAN RESERVATION, WASH. ST
Datum is Mean Sea Level; Contour Interval 20
Scale 1" = 500'
1000 FEET

REMARKS:

- Reinforced conc. Construction
- Install Vents, Chimney & Stove
- Provide Visor in front of Slots
- Provide Sash Windows for inside of Slots
- Construct Access Road

HARBOR DEFENSES OF PUGET SOUND

PROPOSED
B 1/2 S 1/2 B 1/2 S 1/2

In 1 Sheet
Scale 1/8" = 1'-0"
Scales as Indicated
10 FEET

U.S. Engineer Area Office, Port Townsend, Wash.
Prepared: *[Signature]* Sept. 5, 1942

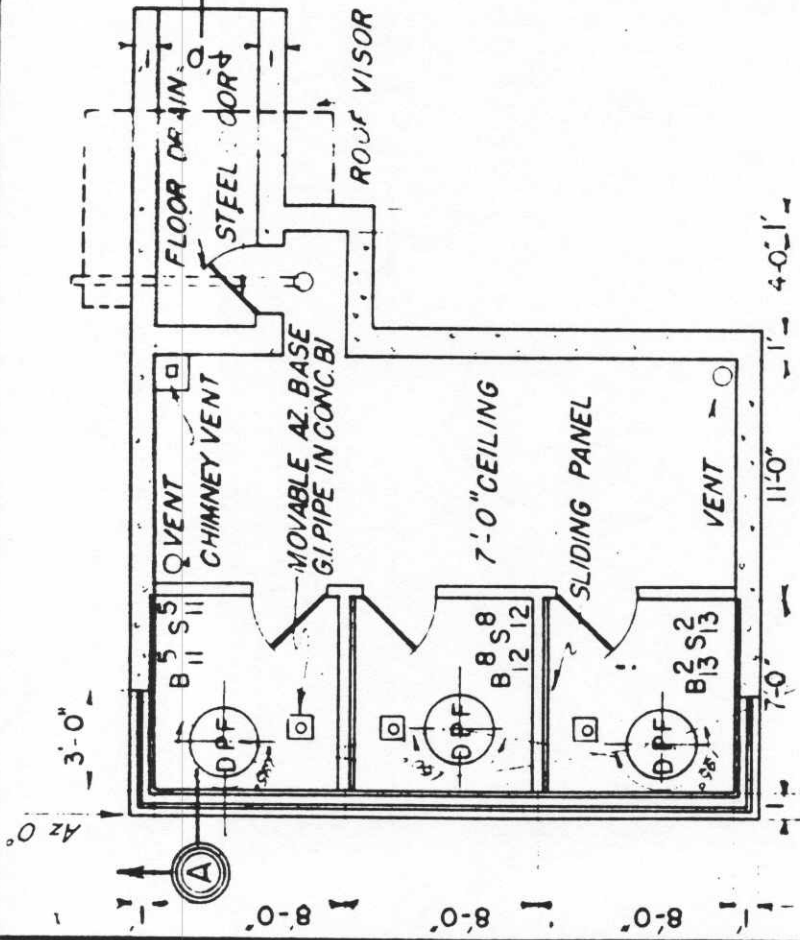
Dr. *[Signature]*
Asst. Engineer
Submitted: *[Signature]*
Approved: *[Signature]*

Ch. *[Signature]*
Assoc. Engineer
Capt. U.S. Army Engineer

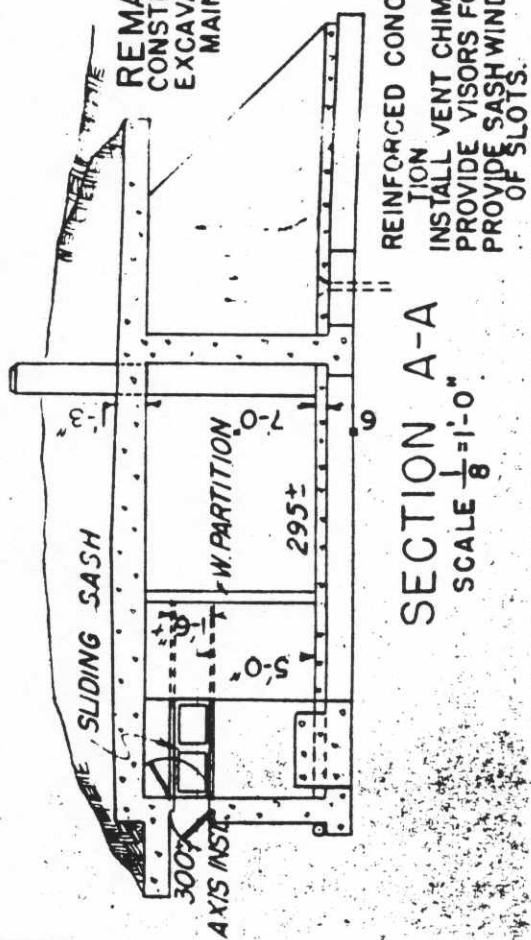
EXHIBIT NO. 16B

Excavation consists mainly of solid rock

SECRET



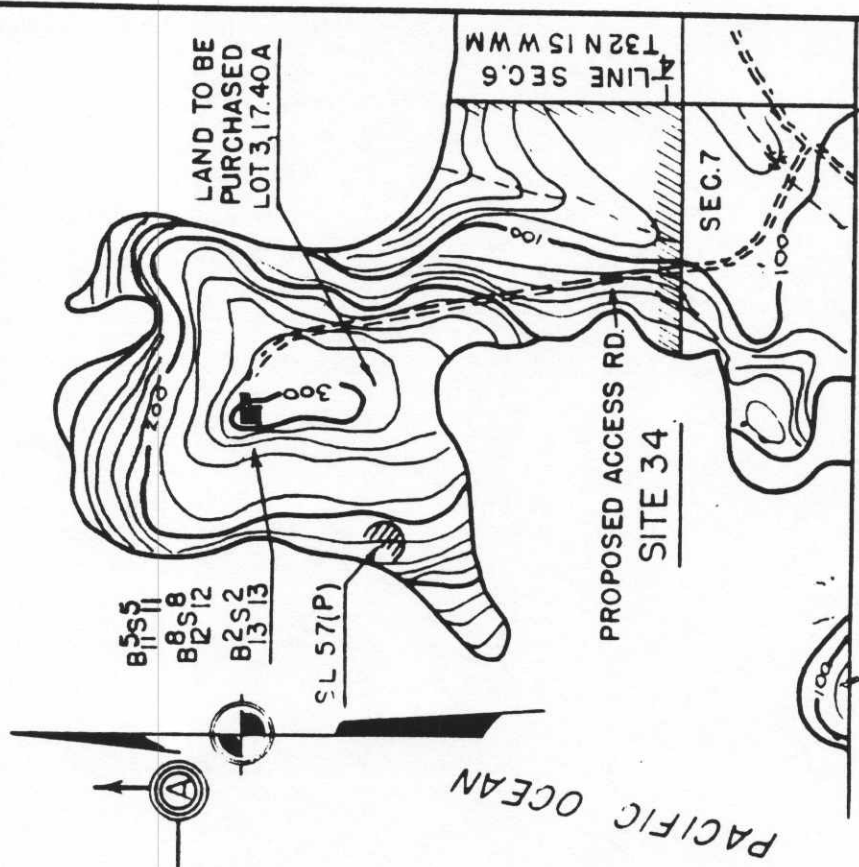
PLAN (FOOTING NOT SHOWN)
SCALE 1/8" = 1'-0"



SECTION A-A
SCALE 1/8" = 1'-0"

REMARKS:
CONSTRUCT ACCESS RD.
EXCAVATION CONSISTS
MAINLY OF SOLID ROCK

REINFORCED CONCRETE CONSTRUCTION
INSTALL VENT CHIMNEY & STOVE.
PROVIDE VISORS FOR OUTSIDE SLOTS.
PROVIDE SASH WINDOWS FOR INSIDE OF SLOTS.



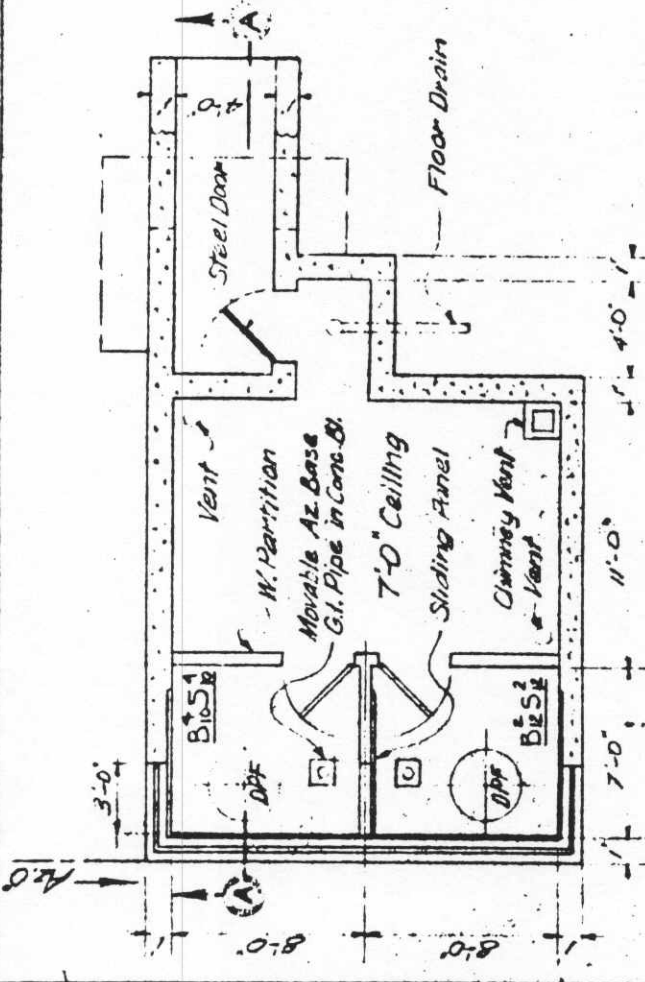
VICINITY MAP
PORTAGE HEAD NORTH
SCALE 1 1/2" = 500'

HARBOR DEFENSES OF PUGET SOUND
PROPOSED
B 5 11 B 8 12 B 2 13 S 13
PORTAGE HEAD NORTH
IN 1 SHEET SCALE 1" = 1'-0" SCALE AS INDICATED
U.S. ENGINEER AREA OFFICE, PORT TOWNSEND
OCT. 22, 1942

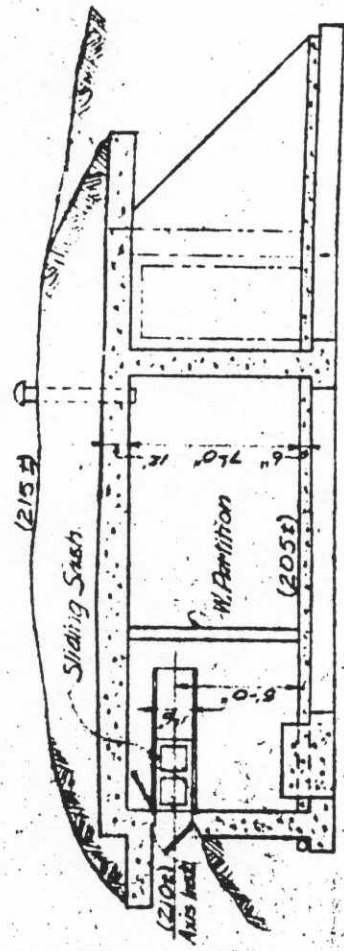
PREPARED BY: [Signature]
TR. ASST. ENGINEER
OR SUBMITTED BY: [Signature]
CH. ASSOC. ENG. CAPT. C. AREA ENG.

APPROVED: [Signature]
OCT. 22, 1942

EXHIBIT NO 17B

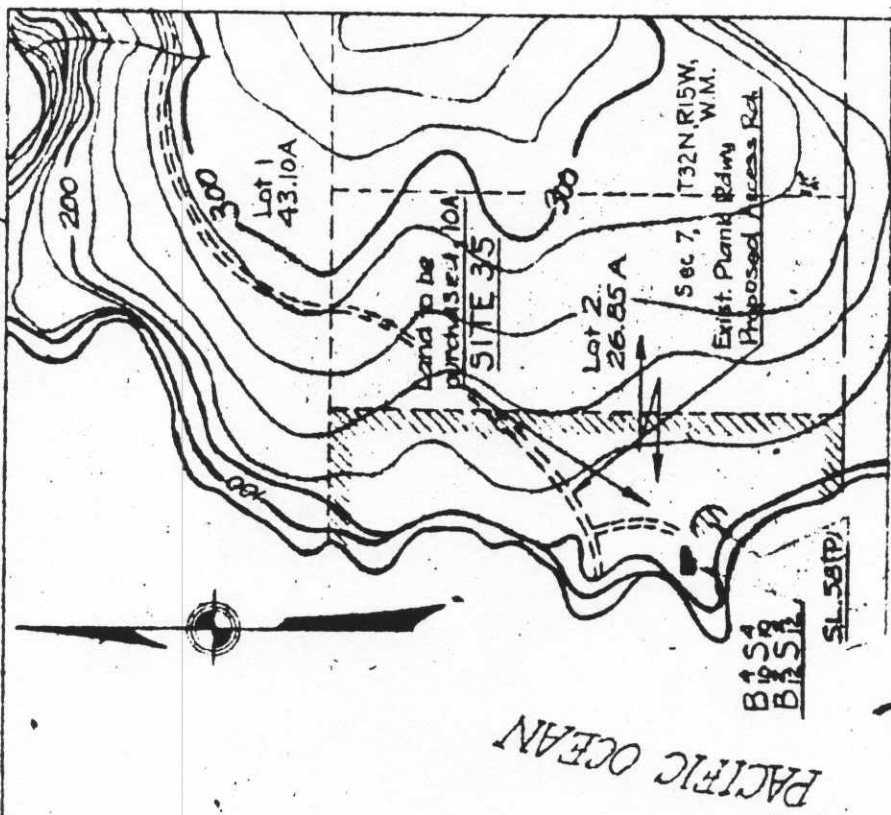


PLAN (Footings not shown)
Scale 1/8" = 1'-0"



SECTION A-A
Scale 1/8" = 1'-0"

REMARKS: Reinforced Concrete Construction
 Install Vents, Chimney and Stove
 Provide Visors in Front of Slots
 Provide Sash Windows for Inside of Slots
 Construct Access Road
 Excavation Consists Mainly of Solid Rock



VICINITY MAP
PORTAGE HEAD, SOUTH
SCALE 1" = 500'

HARBOR DEFENSES OF PUGET SOUND
 PROPOSED
 B¹⁰S¹⁰ - B¹²S¹²
 PORTAGE HEAD SOUTH.
 In 1 Sheet
 Scale 1" = 1'-0"
 U.S. Engineer's Exam. Office, Port Townsend, Wash.
 Prepared: [Signature]
 Dr. R. A. [Signature] Approved: [Signature]
 Lt. Col. [Signature] Substituted: [Signature]
 Ch. Engr. [Signature] 22,777 Miles
 Assoc. Engineer [Signature] Capt. G. E. Area Engineer
 Sept. 8, 1942

TOWNSHIP 32N. RANGE 16W. W.M



PACIFIC

OCEAN

RUDOLPH
UNGERER

25

SL 59
5A.

36

CHAS. S. WAUGH

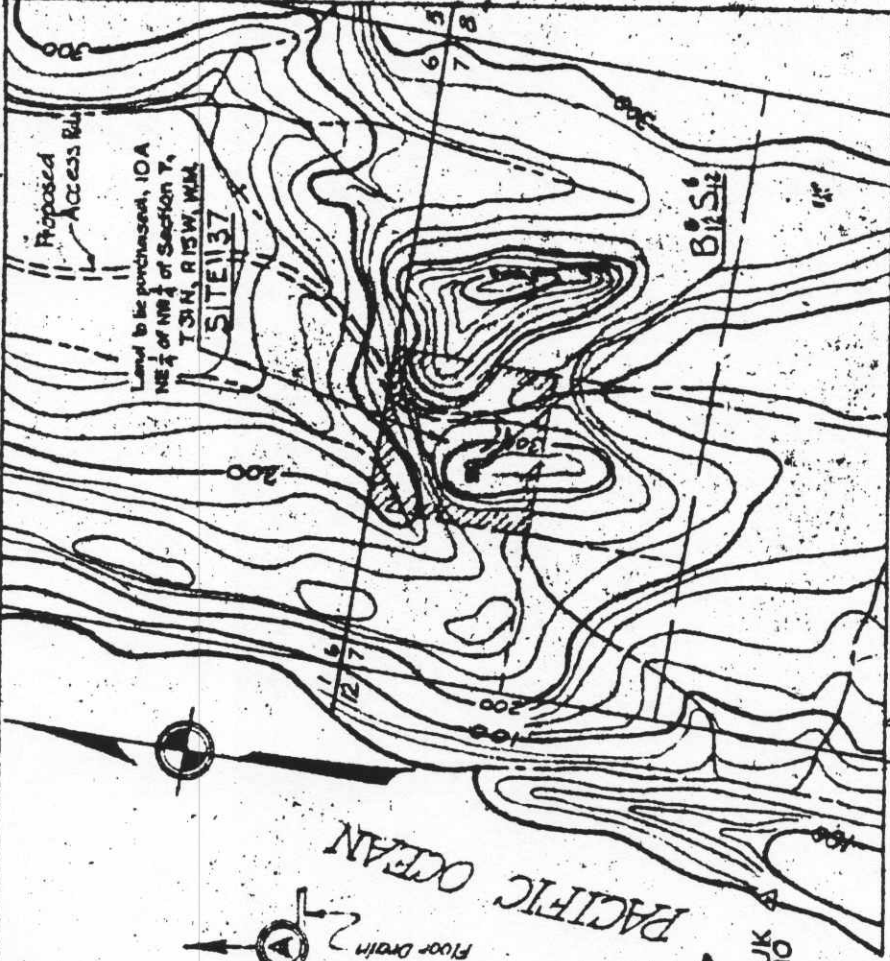
SECRET

HARBOR DEFENSE OF PUGET SOUND
LOCAL BOARD MODERNIZATION PROGRAM

ARCHES LAND MAP
S.C.S.L-59

DRAWN PANKENY DATE 10/18/42
TRACED PANKENY SCALE 1"=500'

Walter Seal
LT. COL. 248TH.CA.
MEMBER LOCAL BOARD EXHIBIT 19B



VICINITY MAP

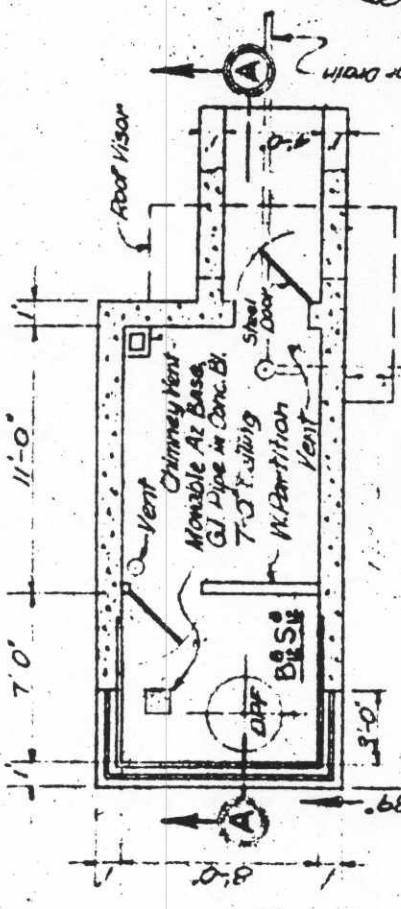
DUK 10
Datum is Mean Sea Level
SCALE 1"=500'



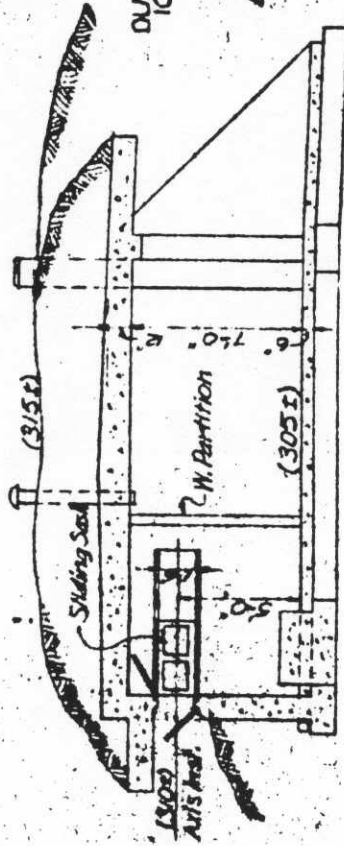
HARBOR DEFENSES OF PUGET SOUND
PROPOSED
BIG S 12
D 10
Scales as indicated

J. I. Shores
Scale 1/4"=1'-0"
US Engineer Area Office, Port Townsend, Wash.
Approved: *[Signature]* Sept. 9, 1942
Dr. R. R. [Signature]
Submitted: *[Signature]*
Approved: *[Signature]*
Ch. M. Assoc. Engineer
Capt. C. E. Area Engineer

EXHIBIT NO. 208



PLAN (Footings not shown)
Scale 1/4"=1'-0"



SECTION A-A
Scale 1/8"=1'-0"

REMARKS:

- Reinforced Concrete Construction
- Install Vents, Chimney and Stove
- Provide Visors in Front of Slots
- Provide Window Sash for Inside of Slots
- Construct Access Road
- Excavation consists mainly of solid Rock