

LEGEND.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

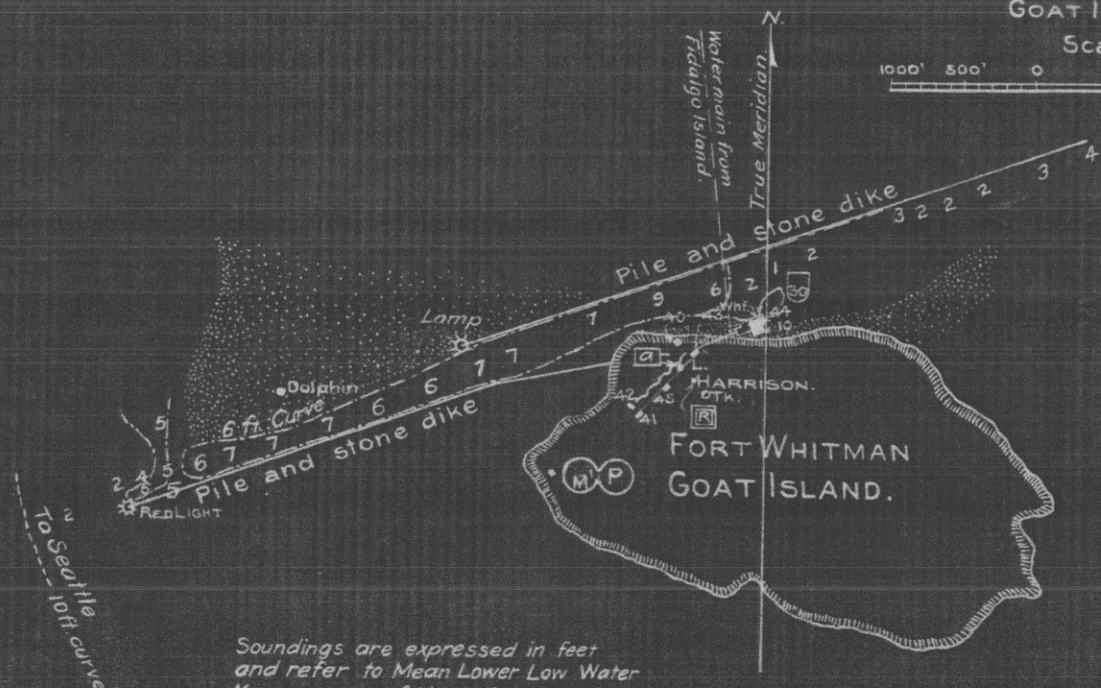
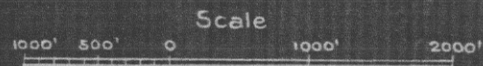
- 10 WAREHOUSE.
- 40 ENGINEER OFFICE & QRS.
- 41 MESS HOUSE.
- 42 LABORERS' QRS.
- 43 ENGINE HOUSE.
- 44 GRAVEL BUNKERS.
- 45 BLACKSMITH & CARP SHOP.

EDITION OF APR. 23, 1915.
 REVISIONS: DEC. 7, 1915;
 NOV. 8, 1916; DEC. 6, 1919; MAY 7, 1921.

SERIAL NUMBER [REDACTED]
 CONFIDENTIAL.

PUGET SOUND
FORT WHITMAN
 GOAT ISLAND.

BATTERIES
 HARRISON... 4-6" Dis.



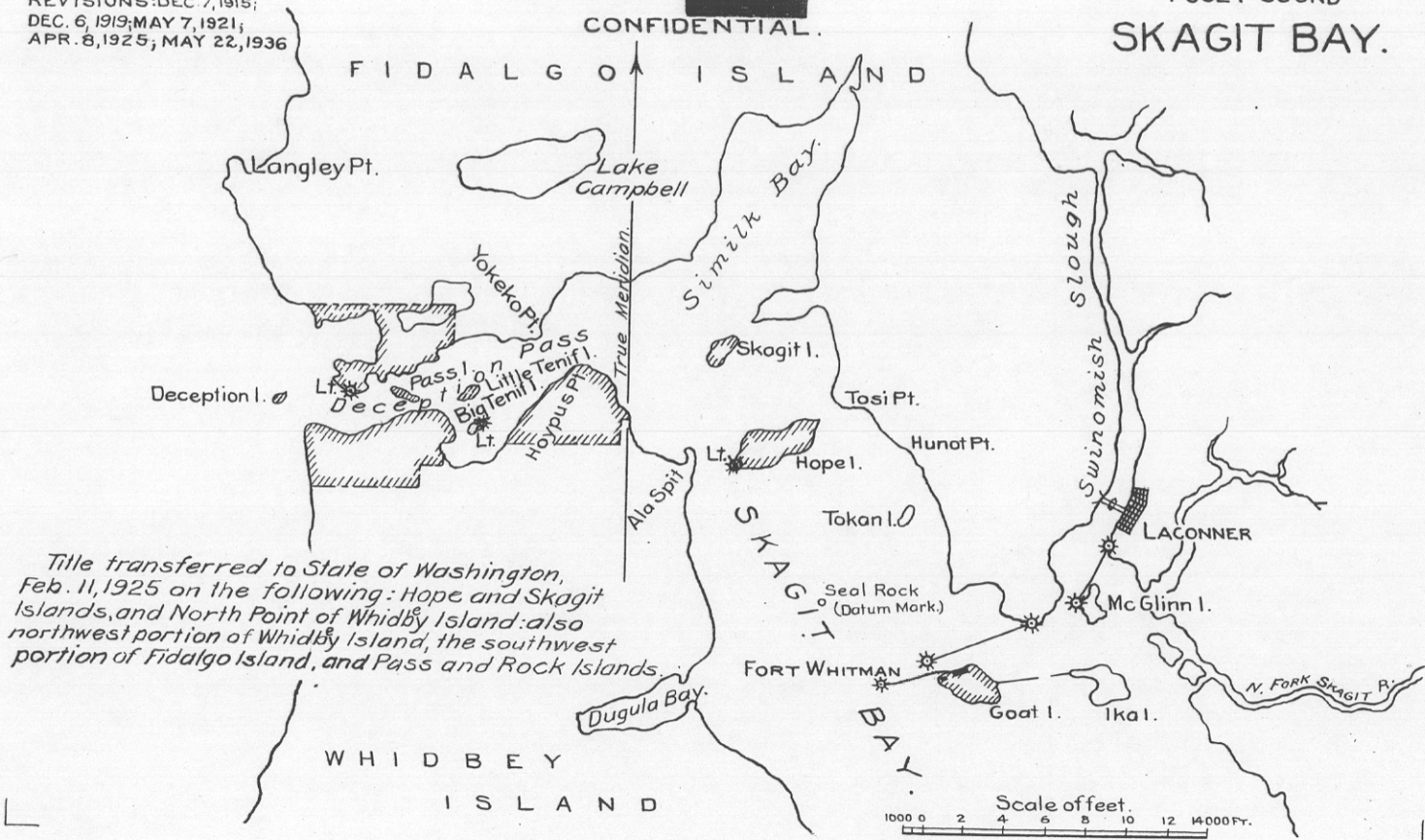
Soundings are expressed in feet
 and refer to Mean Lower Low Water
 Mean range of tide = 8.0 ft.
 Controlling depth in Saratoga Passage = 36.0

NOTES
 CARETAKING STATUS

EDITION OF APR. 23, 1915.
REVISIONS: DEC. 7, 1915;
DEC. 6, 1919; MAY 7, 1921;
APR. 8, 1925; MAY 22, 1936

SERIAL NUMBER [REDACTED]
CONFIDENTIAL.

PUGET SOUND
SKAGIT BAY.



487147

Abandoned - See 662 B (Puget Sound) 37, for approval date, by Secy. of War, Oct. 19, 1937.

LEGEND.

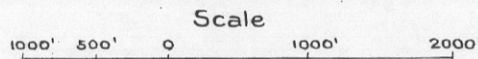
EDITION OF APR. 23, 1915.
 REVISIONS: DEC. 7, 1915;
 NOV. 8, 1916; DEC. 6, 1919; MAY 7, 1921.
 APR. 8, 1925; NOV. 2, 1928; MAY 22, 1936

SERIAL NUMBER [REDACTED]
CONFIDENTIAL.

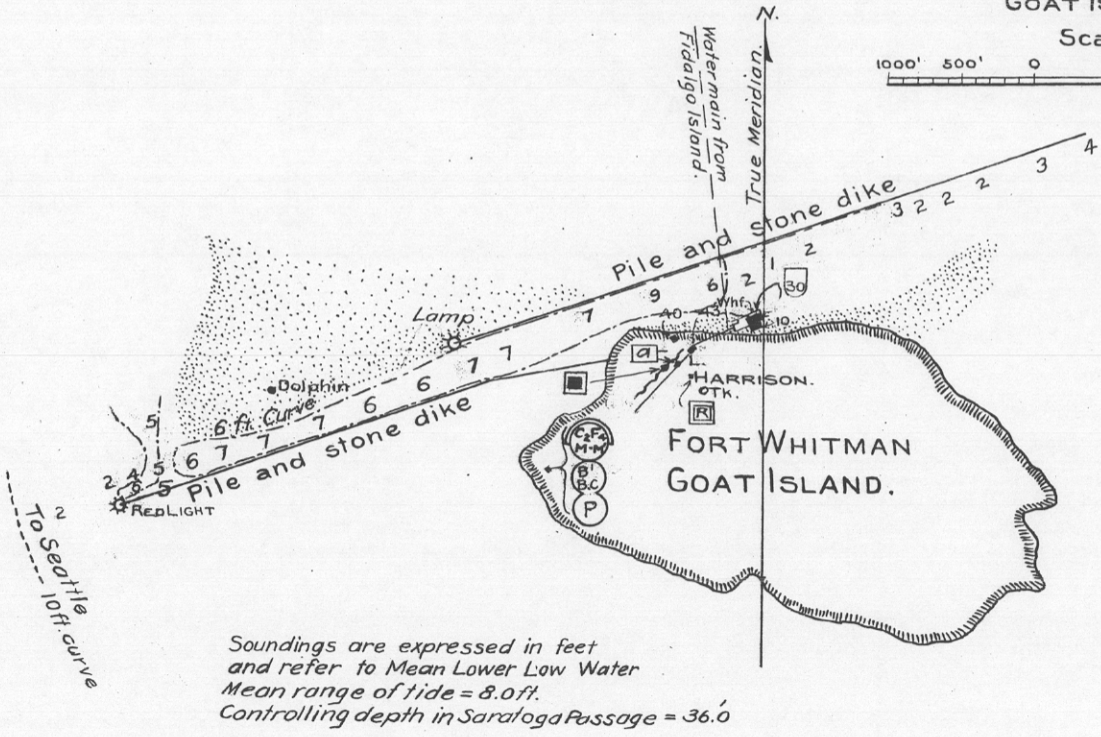
**PUGET SOUND
 FORT WHITMAN**

BATTERIES
 HARRISON... 4-6" Dis.

GOAT ISLAND.



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 WAREHOUSE. (Q. M.)
- 40 OFFICE & QRS. (Q. M.)
- 41
- 42
- 43 ENGINE HOUSE. (Q. M.)
- 44
- 45



Soundings are expressed in feet and refer to Mean Lower Low Water
 Mean range of tide = 8.0 ft.
 Controlling depth in Saratoga Passage = 36.0

A. G. O. states local facilities will be utilized to dismantle the 6" guns, dismantle the 25 KW sets and ship them to Fort Warden for storage. See 9th Ind., dated 12/29/39, 662 B (Puget Sound) 57.

A.G.O. (10-23-31) Misc. D.M. Action
 C. of E. 660 K-196

Aug. 31-1931 C. of E. 660K (Puget Sound) 109
 A.G. 680.22 Ft. Whitman (8-3-31) Misc
 Proposed transfer Office-Quarters - Wharf &
 Tramway to S.M. Dept - Authorized, Serial 110 - Oct. 8-1931

Caretaking Status.

10/15/31

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)

Superseded 5-1-33

COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
BATTERY HARRISON
NO. OF GUNS 4 CALIBER 6" CARRIAGE L.F.Dis.

Form 1 Corrected to March, 1923

Battery commenced	: 1909	: Sources of electric current	: 2-25 k.w. Generating sets in
Battery completed-	: 1911		: Power room of Battery
Date of transfer	: May 9, 1911	: Max.kw. required for lights	: 5.52
Material of construction	: Concrete	: Max.kw. required for motors	
Kind of cement	: Portland		
Cost to date of transfer	: \$92,000.00		
Connected to water supply	: Yes	: Present condition of battery	: Excellent
Connected to sewer	: Yes	: Rooms wet or dry	: Dry
Type of latrine	: Syphon		
Type of data transmission	: Telephone	: How ventilated	: By 6-inch shafts; metal tops : no vent. doors.
Trunnion elevation in battery	: 98.98	: Remarks	: Latrine in detached building
Datum plane	: M.L.L.W.		: in rear. Plotting room in : bombproof between 2 & 3.

ARMAMENT

Emplacement: No.	Guns or Mortars					: Mounted:	: Type:	Carriages		: Motor	
	:Mortar	:Cal.:	:Length:	:Model	:Serial:			:Manufacturer	:Model		:Serial:
	:No.	:No.	:No.	:No.	:No.			:No.	:No.		
1	:6"	:277"	:1908	:1	:Watervliet Ars.	:Yes	:	:1905MI	:14	:Watertown Ars.	:No
2	:6"	:277"	:1908	:2	:do-	:Yes	:	:do-	:15	:do-	:No
3	:6"	:277"	:1908	:3	:do-	:Yes	:	:do-	:16	:do-	:No
4	:6"	:277"	:1908	:4	:do-	:Yes	:	:do-	:17	:do-	:No

Note: 2 rooms in emplacement No. 2, used for Mine Casemate.

REPORT OF COMPLETED WORKS SFACOAST FORTIFICATIONS
(Battery Plan)

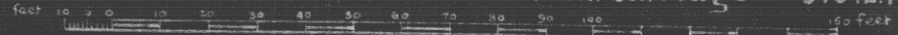
Corrected to March, 1923.

Form 7.

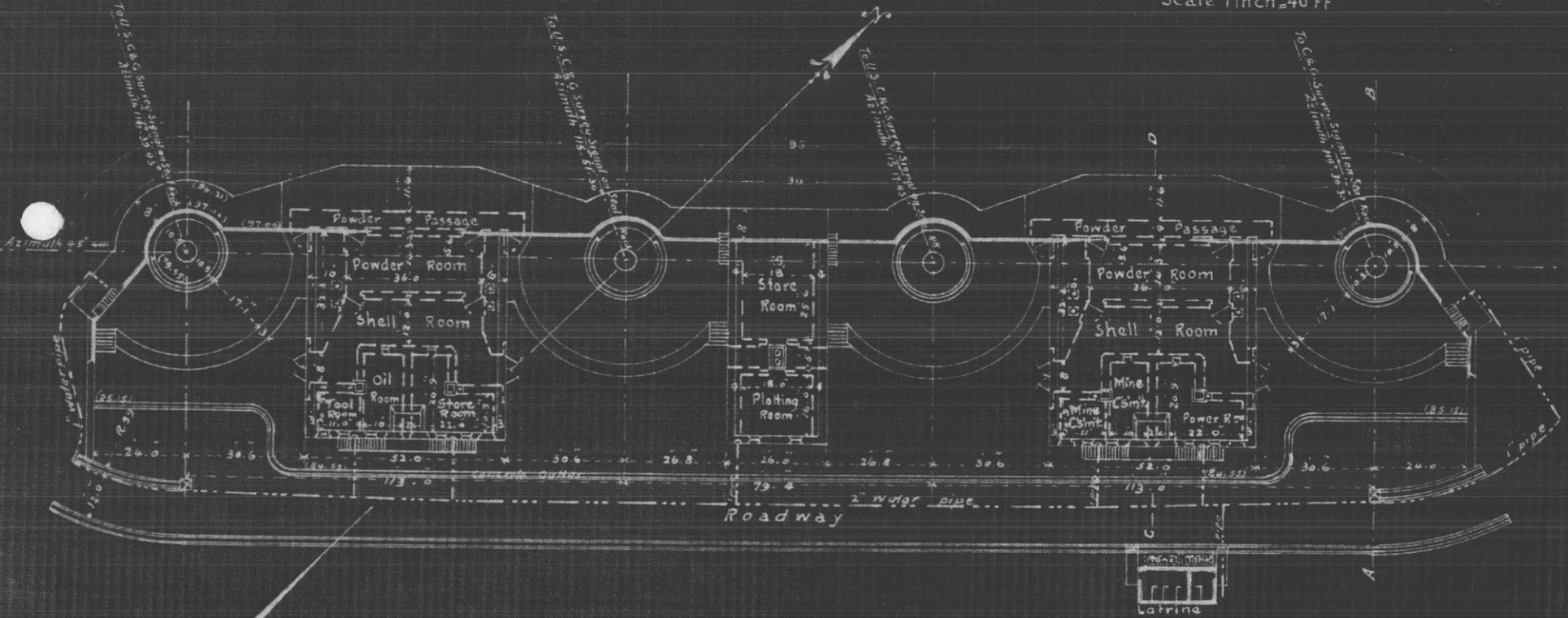
COAST DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON.

BATTERY HARRISON.

N^o of Guns - 4 Caliber 6 inch. Carriage - Dis. L.F.



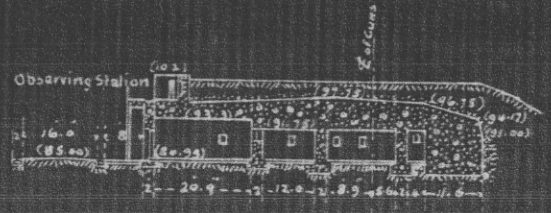
Scale 1 inch = 40 Ft.



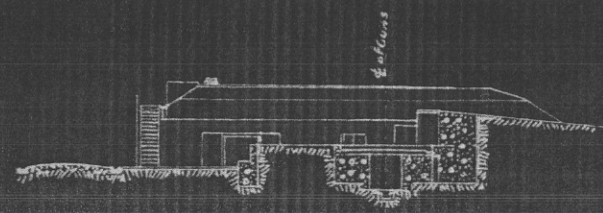
PLAN



REAR ELEVATION



SECTION C. D.



SECTION A. B.

REFERENCE

Elevations are referred to Mean Lower Low water at Utsalady.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
BATTERY HARRISON,
No. of Guns, 4. Caliber 6". Carriage DIS. L.F.

Form 1. Corrected to May 1, 1933.

Battery commenced	:1909	:Sources of electric current	:2-25 KW Generating Sets in Power Room
Battery completed	:1911	: of Battery	:5.52
Date of transfer	:May 9, 1911	:Max. KW required for lights	:No motors
Material of construction	:Concrete	:Max. KW required for motors	:Present condition of battery
Portland or Rosendale cement	:Portland	:	:Excellent
Cost to date of transfer	:\$92,000.00	:	:Rooms wet or dry
Connected to water supply	:Yes	:Present condition of battery	:Dry
Connected to sewer	:Yes	:Rooms wet or dry	:
Type of latrine	:Syphon	:	:By 6-inch vent. shafts with metal tops.
Type of data transmission	:Telephone	:How ventilated	:No vent. doors
Trunnion elevation in battery	:98.98	:Remarks:-	:Latrine in detached building in rear.
Datum plane.	:M. L. L. W	:	: Plotting room in bombproof between 2& 3
	:	:	:Directing Point of battery is also origin
	:	:	: of coordinates for the fort.

ARMAMENT

Emp. No.	Guns				Carriages						
	Cal.	Length	Model	Serial No.	Manufacturer	Mounted	Type	Model	Serial No.	Manufacturer	Motor
1	6"	277"	1908	1	Watervliet Ars.	Yes		1905M	14	Watertown Ars.	No
2	6"	277"	1908	2	-do-	Yes		-do-	15	-do-	No
3	6"	277"	1908	3	-do-	Yes		-do-	16	-do-	No
4	6"	277"	1908	4	-do-	Yes		-do-	17	-do-	No

N O T E : Two rooms in Emplacement No. 2 used for Mine Casemate.

SUPERSEDED - See Form 1,
corrected to Sept. 15, 1938

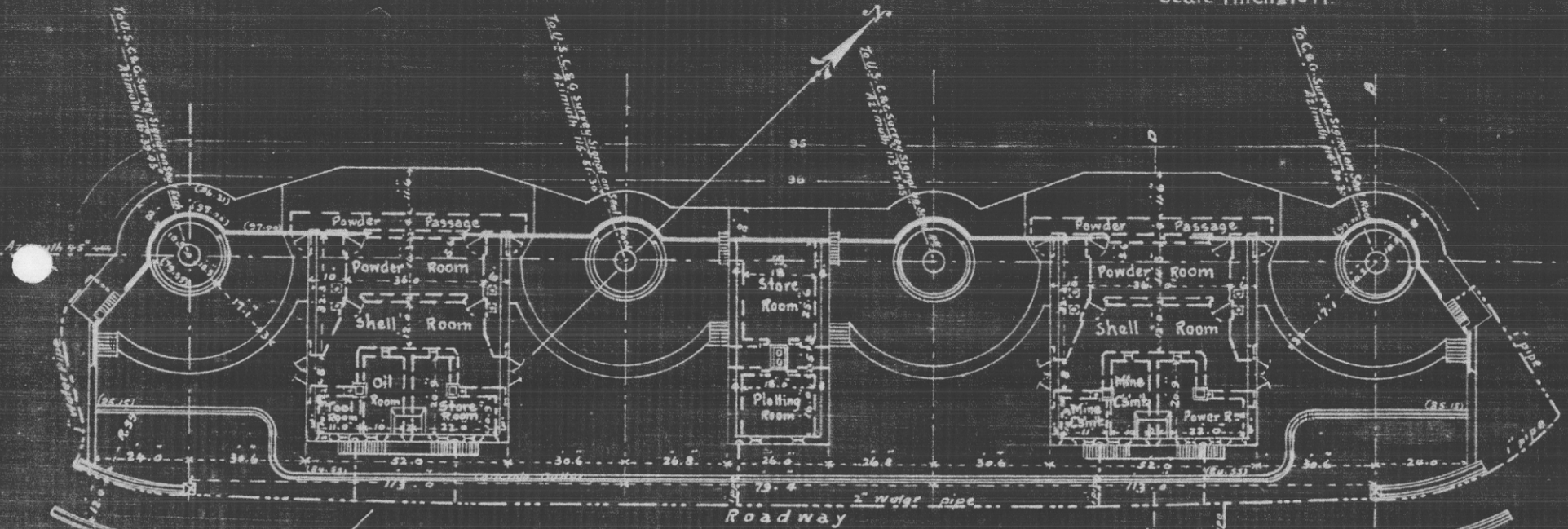
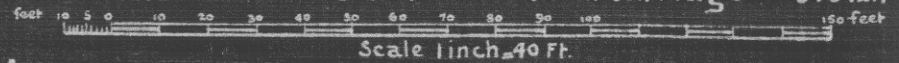
REPORT OF COMPLETED WORKS SFACOAST FORTIFICATIONS
(Battery Plan)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON.
BATTERY HARRISON.

Corrected to May, 1933-

N^o of Guns - 4 Caliber 6 inch. Carriage - Dis. L.F.

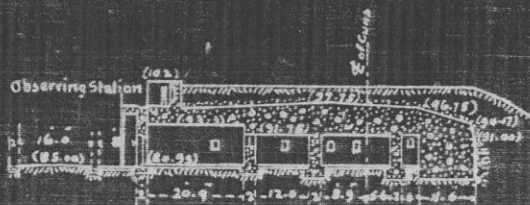
Form 7.



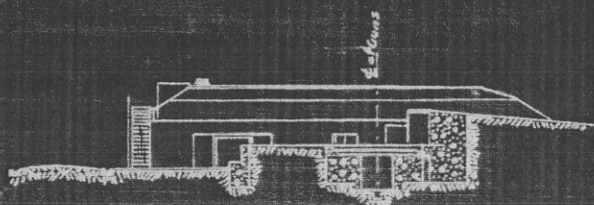
Superseded - See Form 7
corrected to Sept. 15, 1930



REAR ELEVATION



SECTION C. D.



SECTION A. B.

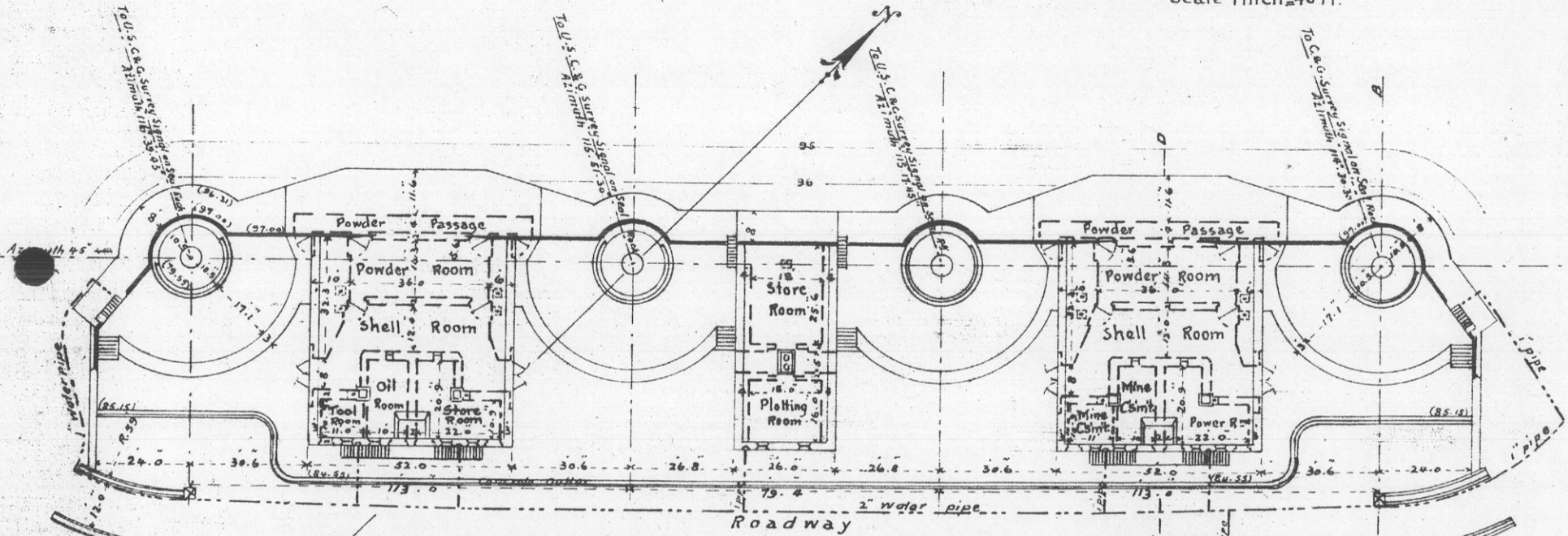
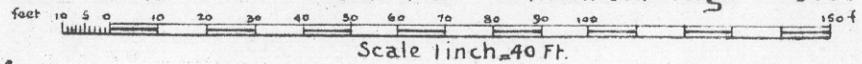
REFERENCE
Elevations are referred to Mean Lower Low water at Utsalady.

REPORT OF COMPLETED WORKS SFACOAST FORTIFICATIONS
(Battery Plan)

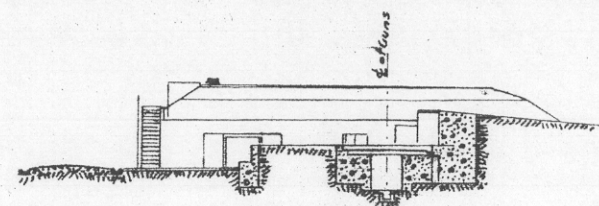
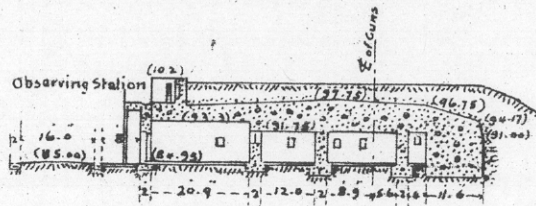
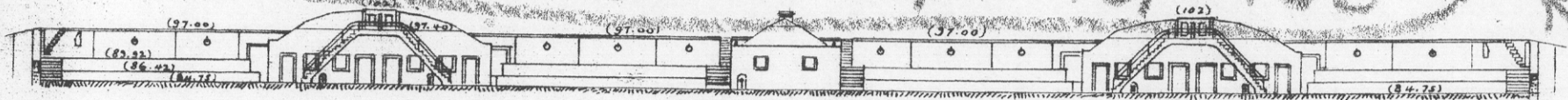
HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON.
BATTERY HARRISON.
N^o of Guns - 4 - Caliber 6 inch. Carriage - Dis.

Corrected to May, 1933-

Form 7.



Superseded - See Form 7 corrected to Sept. 15, 1938



REFERENCE

Elevations are referred to Mean Lower Low water at Utsalady.

REPORT OF COMPLETED WORKS--SEACOAST FORTIFICATIONS
(Gun and Mortar Batteries)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN * *
BATTERY HARRISON

Form 1. Corrected to September 15, 1938

No. of Guns, 4. Caliber, 6". Carriage, Dis. L. F.

GENERAL:		ELECTRIC CURRENT:	
Battery commenced	: 1909	Sources of	: 2-25 KW Generating Sets in Power Room
Battery completed	: 1911		: of Battery
Date of transfer	: May 9, 1911	Max. KW required for lights	: 5.52
Cost to date of transfer	: \$92,000	Max. KW required for motors	: No motors
Materials of construction	: Concrete		
Type of cement	: Portland		
WATER & SEWER:		Present condition of battery	: Good
Connected to water supply	: Yes	Rooms wet or dry	: Dry
Connected to sewer	: Yes		
Type of latrine	: Syphon(out of service)	How ventilated	: 6" shafts, no ventilating doors
		Type of data transmission	: Telephone
Trunnion elevation in Btry.	: 98.98		
Datum plane	: M. L. L. W.	Remarks	: Latrine in detached building in rear.
			: Directing point of battery is also
			: origin of Fort coordinates.

ARMAMENT

Emp. No.:	GUNS				CARRIAGES					
	Cal.:	Length	Model	Serial:	Serial:	Model	Manufacturer	Motor		
1	6"	277"	1908	1	Watervliet Ars.	Yes	Dis. :1905MI	14	Watertown Ars.	None
2	6"	277"	1908	2	Ditto	Yes	Dis. :Ditto	15	Ditto	None
3	6"	277"	1908	3	Ditto	Yes	Dis. :Ditto	16	Ditto	None
4	6"	277"	1908	4	Ditto	Yes	Dis. :Ditto	17	Ditto	None

* Armament no longer required, Ft. Whitman abandoned. See 662 B (Puget Sound) 37

A.G.O. approves that local facilities will be utilized to dismantle the 6" guns and ship them to Ft. Worden for storage. See 9th Ind, dated 12/29/39, 662 B (Puget Sound) 57

Two guns of Btry. Harrison temporarily removed from classification "No Longer Required" & reclassified "Class C," by order Sec. War 9/19/41, AG 660.2(7-1-41)MG-D, OCE 662B (Puget Sound) 74

REPORT OF COMPLETED WORKS SFACOAST FORTIFICATIONS
(Battery Plan)

Corrected to Sept. 15, 1938

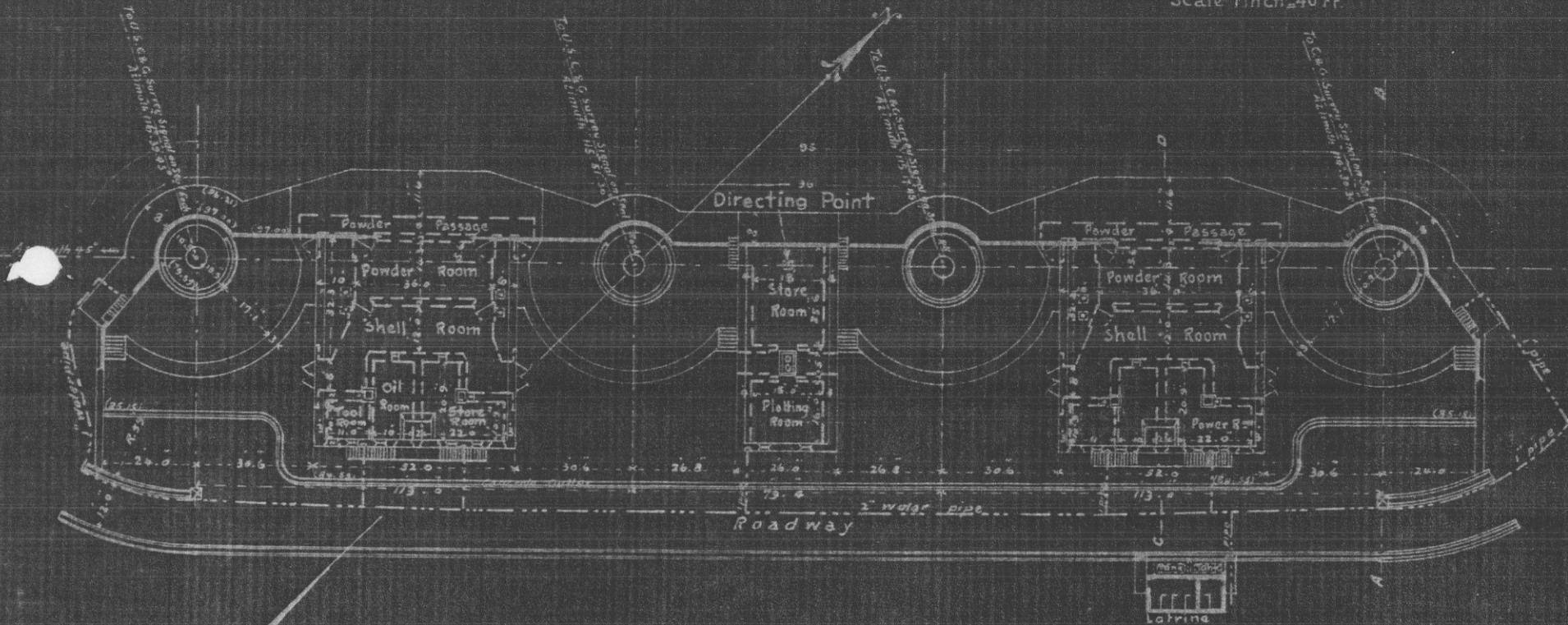
Form 7.

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON.
BATTERY HARRISON.

N^o of Guns - 4 Caliber 6 inch Carriage - Dis. L.F.

feet 10 5 0 0 20 30 40 50 60 70 80 90 100 150 feet

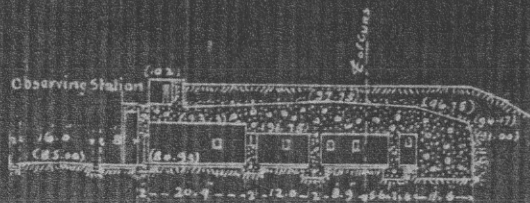
Scale 1 inch = 40 Ft.



PLAN



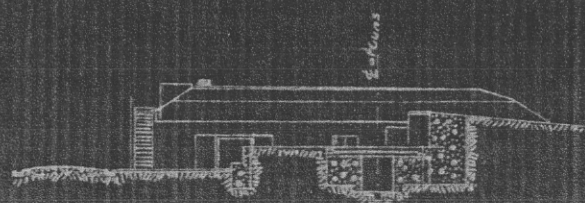
REAR ELEVATION



SECTION C. D.

REFERENCE

Elevations are referred to Mean Lower Low water at Utsalady.



SECTION A. B.

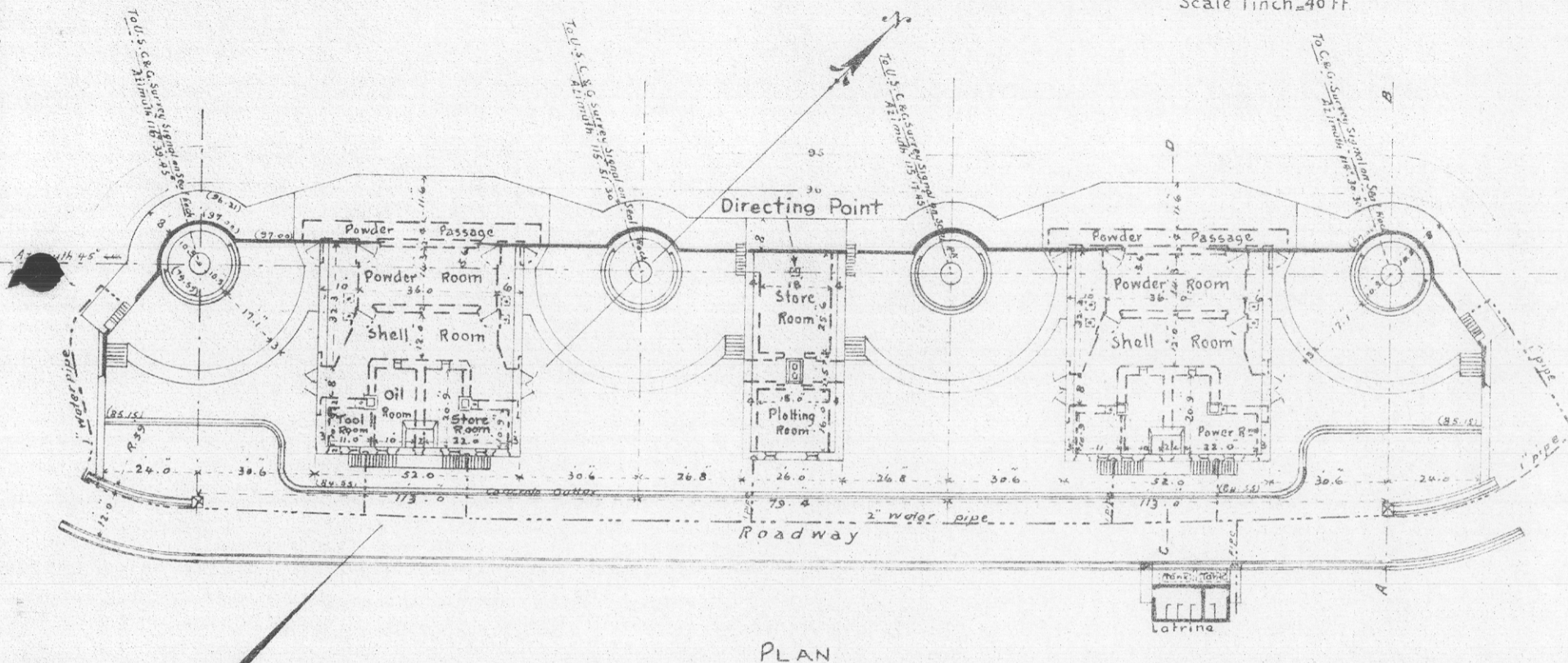
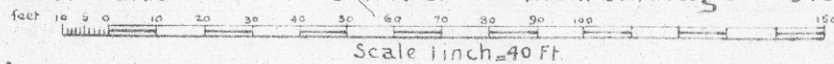
REPORT OF COMPLETED WORKS SFGCOAST FORTIFICATIONS
(Battery Plan)

Corrected to Sept. 15, 1938

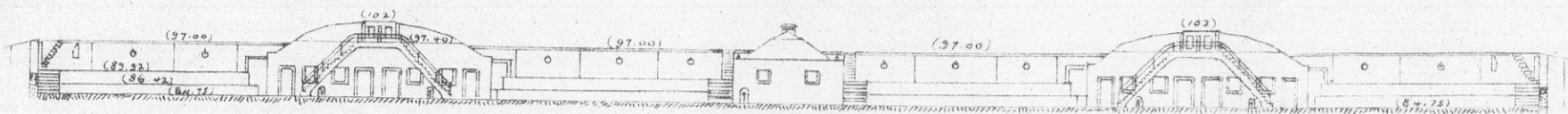
Form 7.

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON.
BATTERY HARRISON.

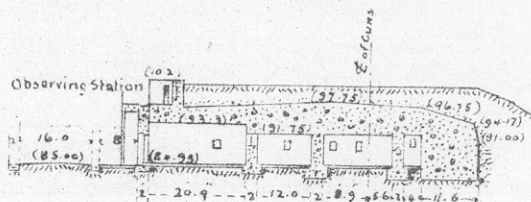
N^o of Guns - 4 Caliber 6 inch. Carriage - Dis



PLAN

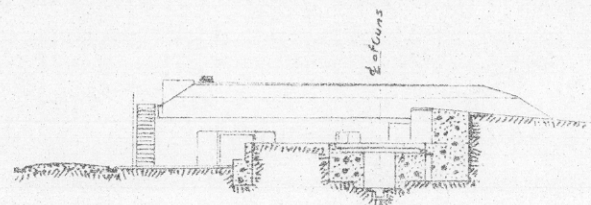


REAR ELEVATION



SECTION C. D.

REFERENCE
Elevations are referred to Mean Lower Low
water at Utsalady.



SECTION A. B.

COAST DEFENSES OF PUGET SOUND

FORT WHITMAN BATTERY HARRISON NO. OF GUNS: 4 CALIBER: 6"

	EMPLACEMENT NUMBER 1		EMPLACEMENT NUMBER 2		EMPLACEMENT NUMBER 3		EMPLACEMENT NUMBER 4	
	FROM	TO	FROM	TO	FROM	TO	FROM	TO
1. Azimuth	47° 19' 02"	45° 00' 00"	45° 00' 00"	45° 00' 00"	45° 00' 00"	45° 00' 00"	45° 00' 00"	45° 00' 00"
2. Distance	1128.55	113.00'	113.00'	79.333'	79.333'	113.00'	113.00'	113.00'
2-a Model of Gun	1908, No 1, 1909	1908, No 2, 1910	1908, No 3, 1910	1908, No 4, 1910	1908, No 4, 1910	1908, No 4, 1910	1908, No 4, 1910	1908, No 4, 1910
2-b Carriage	1905 M1, No 4, 1909	1905 M1, No 15, 1909	1905 M1, No 16, 1909	1905 M1, No 16, 1909	1905 M1, No 16, 1909	1905 M1, No 16, 1909	1905 M1, No 16, 1909	1905 M1, No 16, 1909
3. Type of	Dis.	Dis.	Dis.	Dis.	Dis.	Dis.	Dis.	Dis.
3. Elevations of								
4. Gun functions (in battery)	98.99	98.98	98.98	98.98	98.98	98.98	98.99	98.99
a. Interior crest	97.00	97.00	97.00	97.00	97.00	97.00	97.00	97.00
b. Loading platform	89.92	89.92	89.92	89.92	89.92	89.92	89.92	89.92
c. Angle of depression	6°	6°	6°	6°	6°	6°	6°	6°
5. Limiting azimuths of field of fire as determined by:	FROM 0 1	TO 0 1	FROM 0 1	TO 0 1	FROM 0 1	TO 0 1	FROM 0 1	TO 0 1
a. Construction of emplacement	245.00	75.00	195.00	65.00	205.00	75.00	195.00	25.00
b. Interference by adjacent emplacements	70	70	70	70	70	70	70	70
c. Interference of other obstacles external to emplacement	163°	No	No	No	No	No	No	No
d. Position of Ordnance stops	195°	77°	196°	28°	205°	37°	192.5°	28°

NOTES

1. Azimuth and distance of emplacement No 2 are given with reference to No. 1, of No. 3 with reference to No. 2, etc. Azimuth and distance of No. 1 are given with reference to Battery Commander Station (B)
3. Above plane of M.L.L.W.
5. Nature of obstacles: No 1, right limited by rocky bluff.

2. Use one of following abbreviations or designations: Dis, Nondis, All gun-tft, Turret, Casemate, Ped, BP

H.D of Puget Sound

Fort Whittier

Abandoned^{*} :-

See 662 B (Puget Sound) 37,
for approval date, by Secretary
of War, Oct. 19, 1937

* Two Guns of 217, Harrison temporarily removed - r.m. classification "No longer Required"
and reclassified "Class C", by order of Sec. of War Sept. 19, 1941, Act. 660.2(7-1-41) N.G-D
O.C.E. 662B (Puget Sound) 74.

REPORT OF COMPLETED WORKS--SEACOAST FORTIFICATIONS
(Electrical Plants)

COAST DEFENSES OF Puget Sound
FORTWhitman.....
Power For Bat.Harrison Radio,
F.C.Stations, Mines.

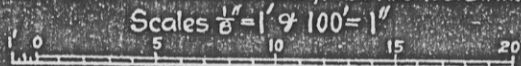
Form 5 Corrected to June 30, 1920.

	Serial no.	Type	Size H.P.	Mfgr.	Date of transfer	Cst	Con- di- tion	RPM	Belt or direct drive	Radio- tor for Engine	Fuel	Switchboard Mate- rial No. of Panels.
Gas Engine										No.		
No. 1	17760	GM-12	43/54	GE Co	1/26/20		Ex.	560			Gas- cline:	
No. 2	6779	GM-12	43/54	" "	5/9/11		Good	560			"	
Generator												
No. 1	924270	LPC	25 KW	" "	1/26/20		Ex.	560				
No. 2	313003	LPC	25 KW	" "	5/9/11		Ex.	560				
Radiator												
No. 1	17267			" "	1/26/20		"			17760		
No. 2.	No.No.			" "	5/9/11		"			6779		
Radiator Fan Motor												
No. 1.	955971	RC- 27A	3	" "	1/26/20		"					
No. 2	314155	CQ-3	3	" "	5/9/11		"					
Switchboard	89			Walker Co.	5/9/11		"					Mar- ble :1 Gen.1 Feeder
	284			Wes- ting house	1/26/20		"					" :1 Gen.

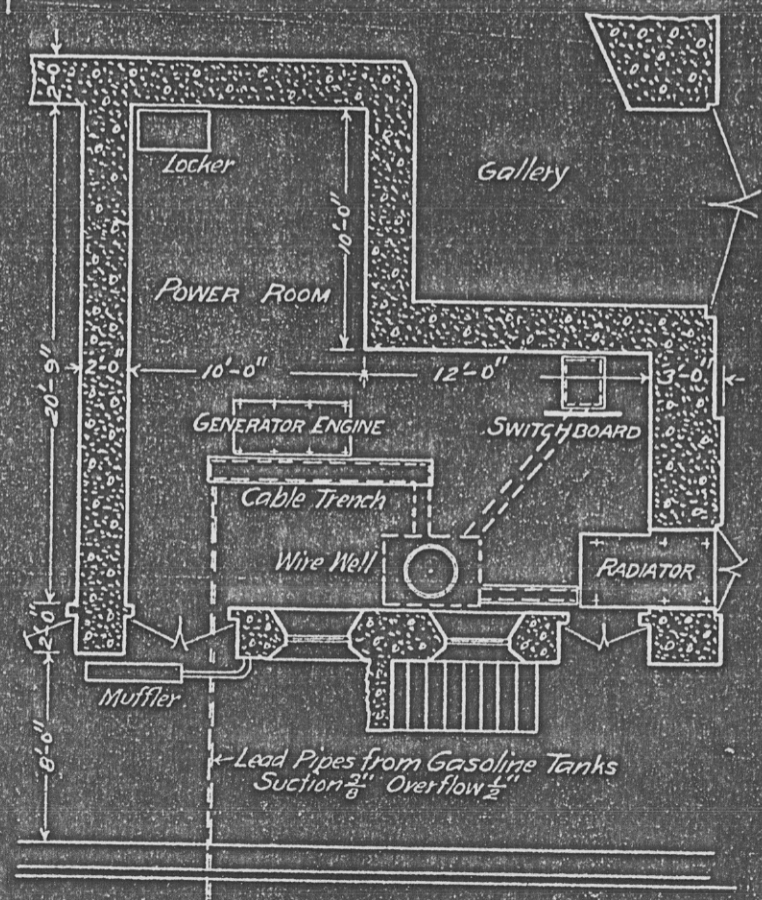
DISTRIBUTION OF KW.

Bat. Harrison	5.5
Radio	3.0
F.C.Stations	1.0
Mines	1.5

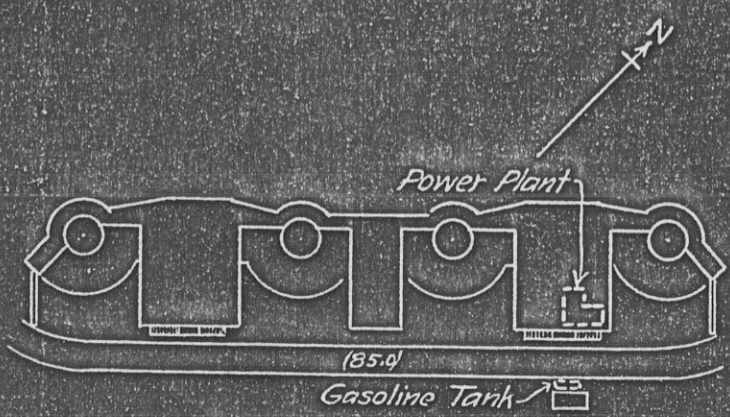
FORT WHITMAN, WASH.
 25KW. SET IN No. 1 HARRISON.
 LOCAL PLANT FOR BAT. HARRISON, RADIO AND F.C. STATIONS.



Aug. 1917.

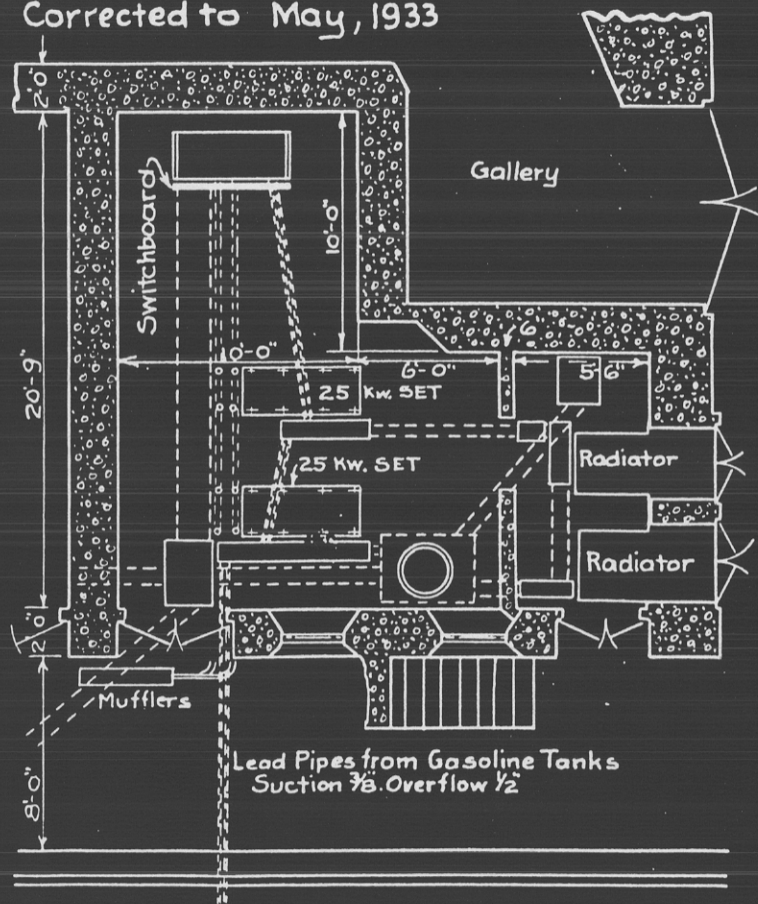


← Lead Pipes from Gasoline Tanks
 Suction $\frac{2}{8}$ " Overflow $\frac{1}{2}$ "



BATTERY HARRISON

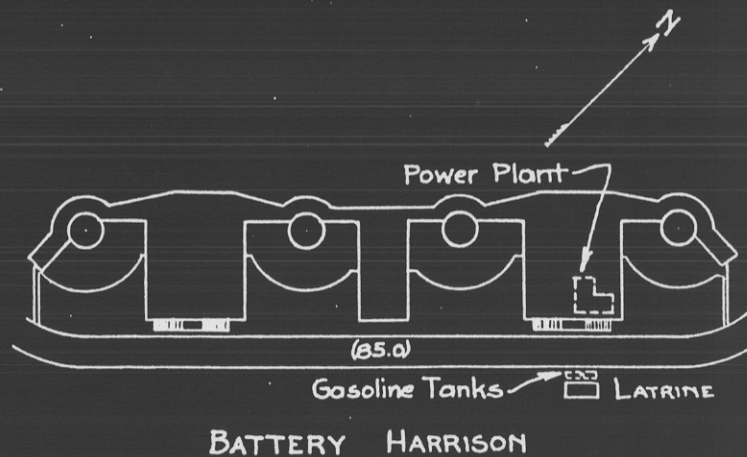
Corrected to May, 1933



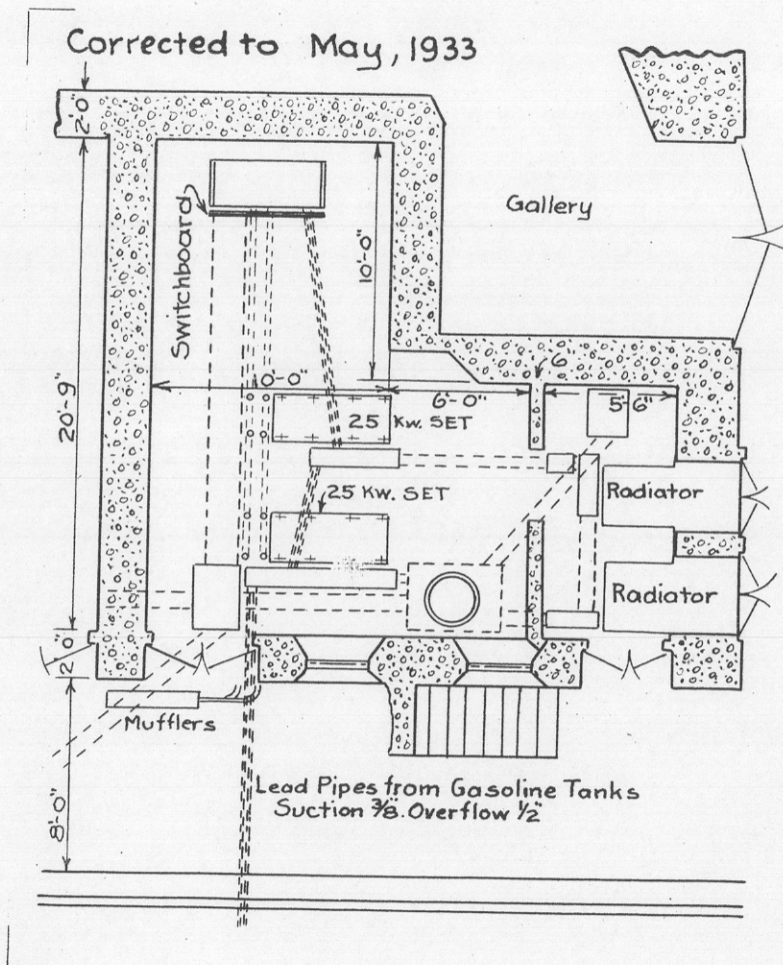
FORT WHITMAN, WASH.
2-25 Kw SETS IN No 1 HARRISON
LOCAL PLANT FOR BAT. HARRISON, RADIO AND F.C. STATIONS

Scales $\frac{1}{8}" = 10'$ & $1" = 100'$
12" 0 1 2 3 4 5 10 15 20ft.

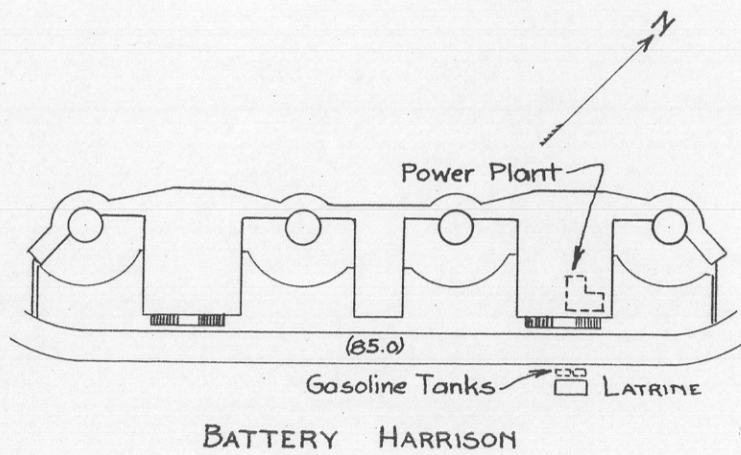
Mch. 1920

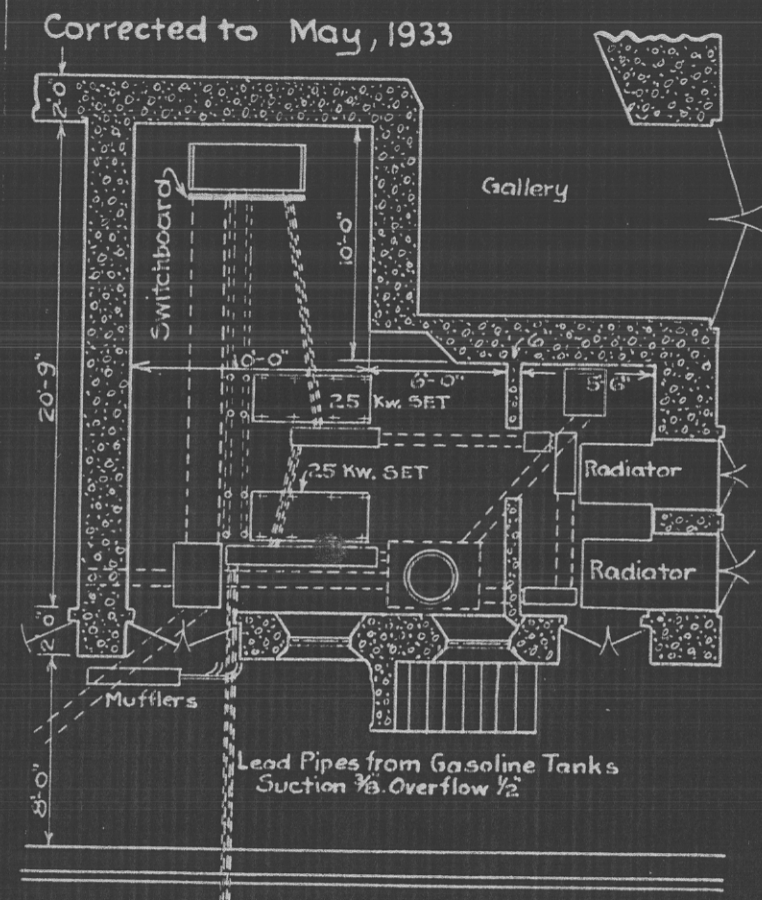


BATTERY HARRISON

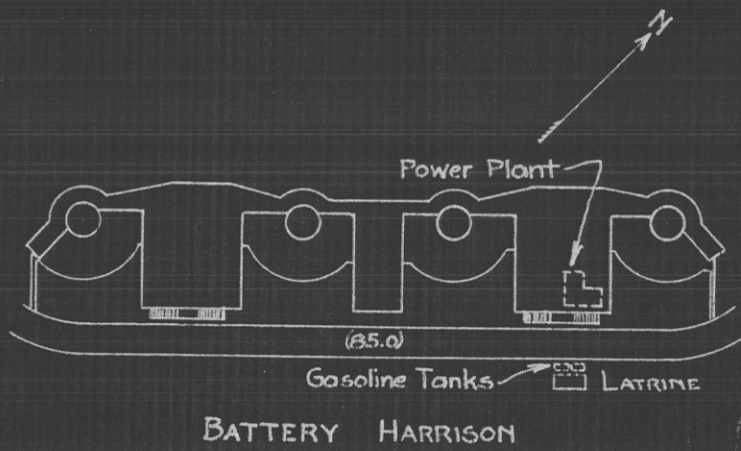


FORT WHITMAN, WASH.
 2-25 Kw SETS IN N^o 1 HARRISON
 LOCAL PLANT FOR BAT. HARRISON, RADIO AND F.C. STATIONS
 Scales $\frac{1}{8}"=1'-0"$, & $1"=100'$
 12" 0 1 2 3 4 5 10 15 20ft.
 Mch. 1920





FORT WHITMAN, WASH.
 2-25 Kw SETS IN No 1 HARRISON
 LOCAL PLANT FOR BAT. HARRISON, RADIO AND F.C. STATIONS
 Scales $\frac{1}{8}'' = 10'$, & $1'' = 100'$
 12" 0 1 2 3 4 5 10 15 20ft.
 Mch. 1920



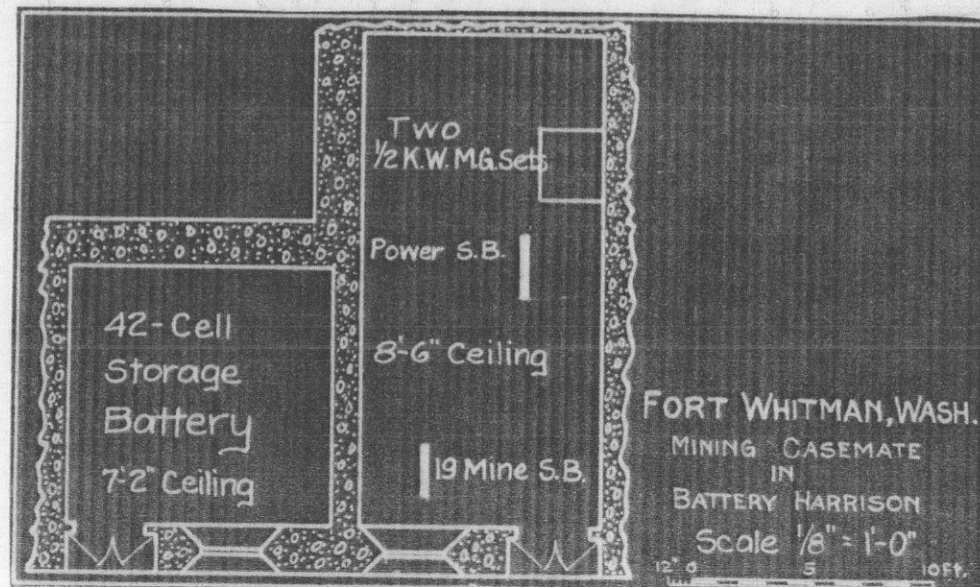
Superseded 3-1-33

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON
STRUCTURE Mining Casemate in Battery Harrison.

Form 2 First submitted December 1925

Location	: In rooms between Empl. 1 and 2	: Type of data transmission	: Telephone
Date of transfer	: Battery Harrison	:	:
at to date	: Not transferred as such, but	:	:
Type of construction	: battery transferred May 9, 1911;	:	:
(a) Roof	: installed by troop labor about	:	:
(b) Remainder of building	: 1914	:	:
How concealed	: Concrete	:	:
How protected	: Concrete	:	:
Conspicuous at	: By exterior slope of battery	:	:
Source of electric current	: from front	:	:
Kilowatts required	: By exterior slope of battery	:	:
Type of lighting fixtures	: from front	:	:
heated	: Battery conspicuous throughout	:	:
Connected to water mains	: field of fire	:	:
Connected to sewer	: 2-25 KW. gas electric sets in	:	:
Permanent or temporary installation	: adjoining room	:	:
Present condition	: 0.6	:	:
Reference of site	: Commercial	:	:
	:	:	:
	: No heat	:	:
	: No	:	:
	: No	:	:
	:	:	:
	: Permanent	:	:
	: Good	:	:
	: Floor 85.0' M.L.L.W.	:	:



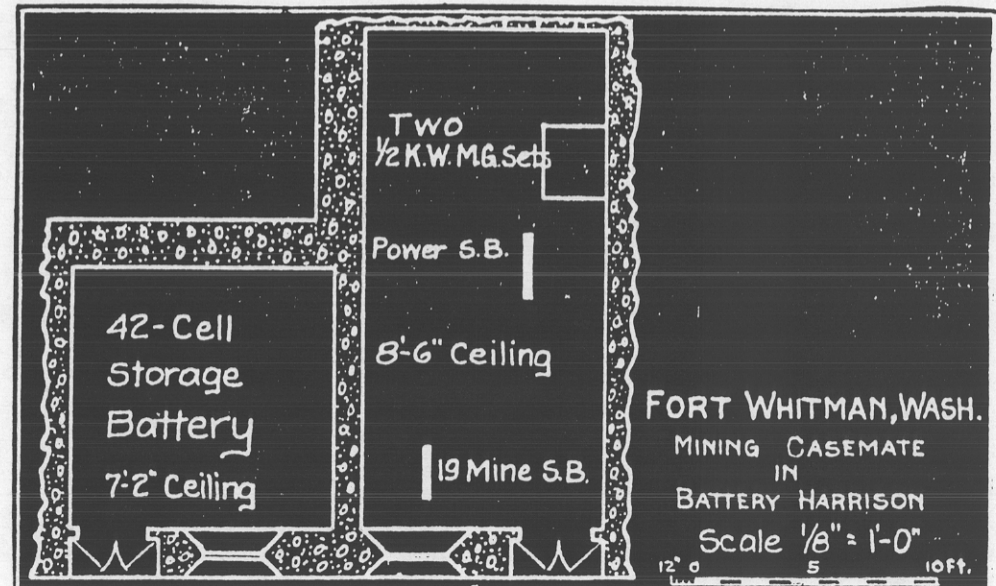
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

Form 2 First submitted December 1925

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASHINGTON
STRUCTURE Mining Casemate in Battery Harrison.

Supplement 5-1-25

Location	: In rooms between Empl. 1 and 2	: Type of data transmission	: Telephone
Date of transfer	: Battery Harrison	:	:
at to date	: Not transferred as such, but	:	:
	: battery transferred May 9, 1911:	:	:
	: Installed by troop labor about	:	:
	: 1914	:	:
Type of construction	:	:	:
(a) Roof	: Concrete	:	:
(b) Remainder of building	: Concrete	:	:
How concealed	: By exterior slope of battery	:	:
	: from front	:	:
How protected	: By exterior slope of battery	:	:
	: from front	:	:
Conspicuous at	: Battery conspicuous throughout	:	:
	: field of fire	:	:
Source of electric current	: 2-25 KW. gas electric sets in	:	:
	: adjoining room	:	:
Kilowatts required	: 0.6	:	:
Type of lighting fixtures	: Commercial	:	:
heated	: No heat	:	:
Connected to water mains	: No	:	:
Connected to sewer	: No	:	:
Permanent or temporary installation	: Permanent	:	:
Present condition	: Good	:	:
Reference of site	: Floor 85.0'M.L.L.W.	:	:

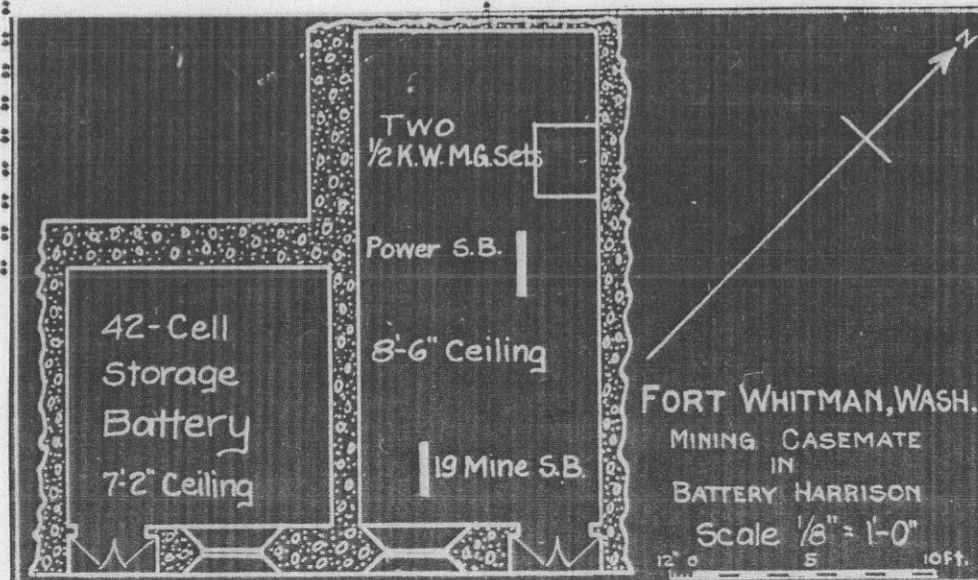


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
STRUCTURE MINING CASEMATE

Form 2. Corrected to May 1, 1933.

Location	: In rooms of Battery Harrison	: Type of data transmission	: Telephone
	: between Emplacements No. 1 &		
	: No. 2		
Date of transfer	: Not transferred as such, but		
	: battery transferred May 9,		
	: 1911.		
Cost to date	: Installed by troop labor		
	: about 1914		
Type of construction	:		
(a) Roof	: Concrete		
(b) Remainder of building	: Concrete		
How concealed	: By exterior slope of battery		
	: from front		
How protected	: By exterior slope of battery		
	: from front		
Conspicuous at	: Battery conspicuous through-		
	: out field of fire		
Source of electric current	: 2-25 KW gas electric sets in		
	: adjoining room		
Kilowatts required	: 0.6		
Type of lighting fixtures	: Commercial		
How heated	: No heat		
Connected to water mains	: No		
Connected to sewer	: No		
Permanent or temporary	:		
installation	: Permanent		
Present condition	: Good		
Reference of site (floor)	: 85.0 M.L.L.W.		



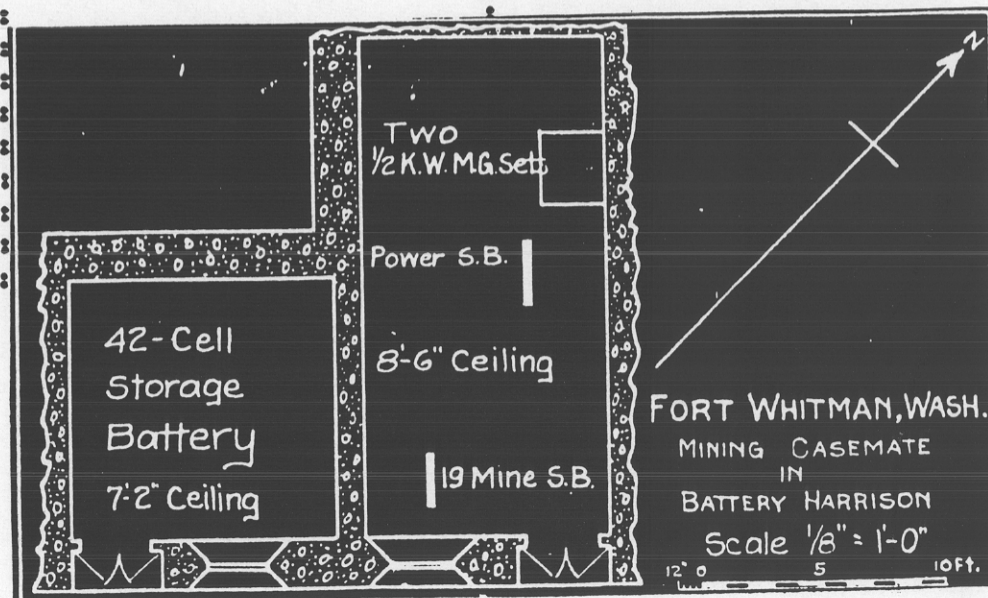
SUPERSEDED: - See Form 2,
corrected to Sept. 15, 1938

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
STRUCTURE MINING CASEMATE

Form 2. Corrected to May 1, 1933.

Location	: In rooms of Battery Harrison	: Type of data transmission	: Telephone
	: between Emplacements No. 1 &		
	: No. 2		
Date of transfer	: Not transferred as such, but		
	: battery transferred May 9,		
	: 1911.		
Cost to date	: Installed by troop labor		
	: about 1914		
Type of construction	:		
(a) Roof	: Concrete		
(b) Remainder of building	: Concrete		
How concealed	: By exterior slope of battery		
	: from front		
How protected	: By exterior slope of battery		
	: from front		
Conspicuous at	: Battery conspicuous through-		
	: out field of fire		
Source of electric current	: 2-25 KW gas electric sets in		
	: adjoining room		
Kilowatts required	: 0.6		
Type of lighting fixtures	: Commercial		
How heated	: No heat		
Connected to water mains	: No		
Connected to sewer	: No		
Permanent or temporary	:		
installation	: Permanent		
Present condition	: Good		
Reference of site (floor)	: 85.0 M.L.L.W.		



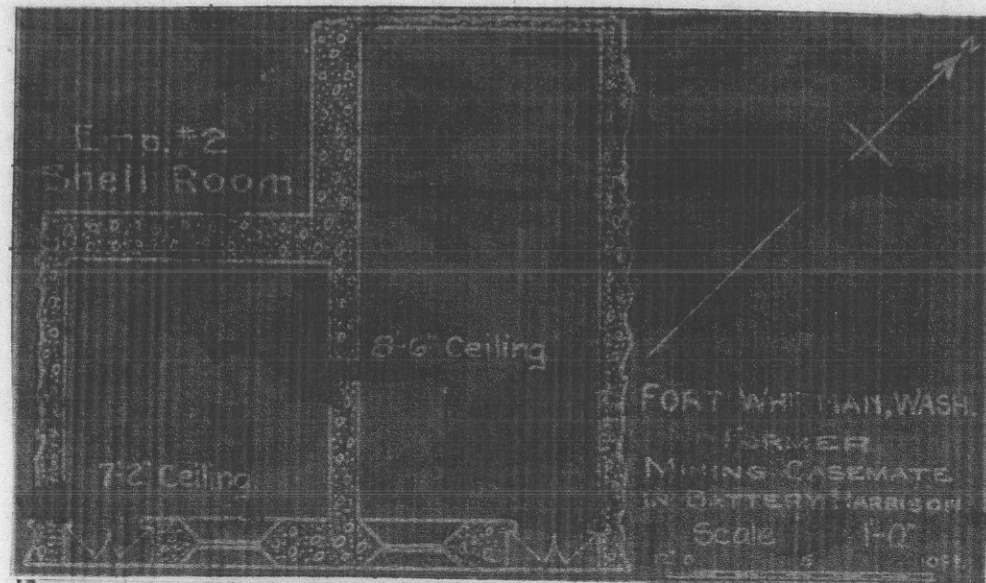
SUPERSEDED - See Form 2,
corrected to Sept. 15, 1938

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
STRUCTURE - MINING CASEMATE

Form 2. Corrected to September 15, 1938

STRUCTURE:	:	INSTRUMENTS & EQUIPMENT:	:	None
Location	:		:	
	:		:	
	:		:	
Date of transfer	:	DATA TRANSMISSION:	:	Telephone
	:		:	
	:		:	
Cost to that date	:	REMARKS:	:	Mine Project abandoned as
	:		:	"Armament no longer re-
	:		:	quired". 5th Ind. AG 2/17/
Type of construction	:		:	38, AG 353.173(1/13/38)
How concealed	:		:	(Misc.)-E
How protected	:		:	
Height above concealment	:		:	
Height above protection	:		:	
Conspicuous	:		:	
ELECTRIC CURRENT:	:		:	
Source of	:		:	
Kilowatts required	:		:	
Type of lighting fixtures	:		:	
HEAT:	:		:	
How heated	:		:	
WATER & SEWER:	:		:	
Connected to water mains	:		:	
	:		:	
Connected to sewer	:		:	
Type of latrine	:		:	
Permanent or temporary Instal:	:		:	
Present condition	:		:	
REFERENCE:	:		:	
Reference of site(floor)	:		:	85.0 M. L. L. W.



SUPERSEDED - SEE FORM A
CORRECTED TO SEPTEMBER 15, 1938

THIS FEATURE IS DISCONTINUED

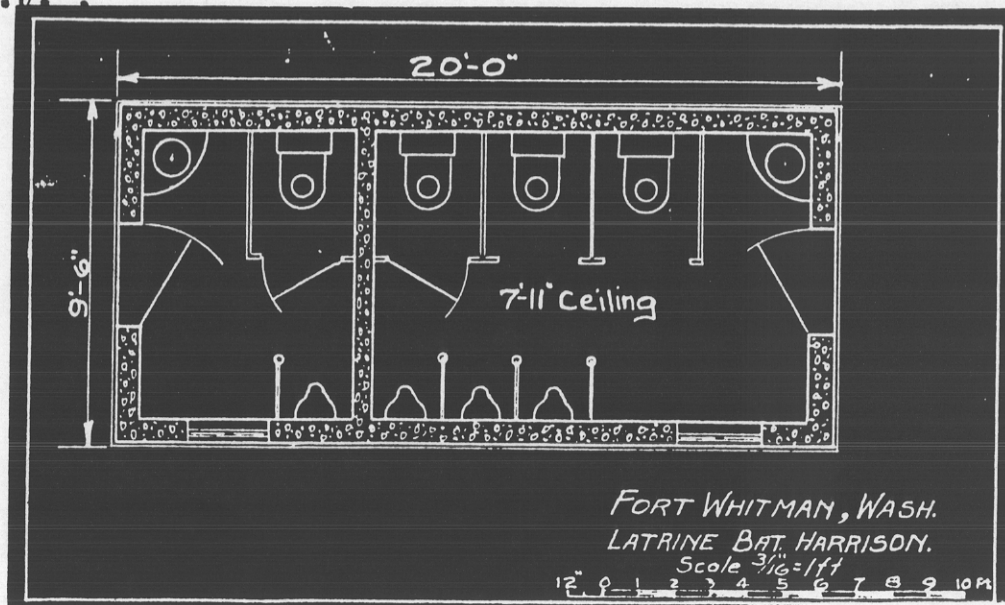
Intersect 5-1-20

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE LATRINE

Form 2 Corrected to Feb. 1920.

Location	: On parade level in rear:	:
	: of Emp. 1 & 2. Bat.	:
	: Harrison.	:
Date of transfer	: May 9, 1911	:
Cost to that date	: \$1055.00	:
Type of construction	:	:
(a) Roof	: Concrete	:
(b) Remainder of bld.	: Concrete	:
Source of electric current	: Power plant in Bat.	:
	: Harrison	:
Kilowatts required	: 0.12	:
Type of lighting fixtures	: Commercial	:
How heated	: No heat.	:
Connected to water mains	: Yes	:
Connected to sewer	: Yes	:
Type of latrine	: Syphon	:
Permanent or temporary	:	:
structure	: Permanent	:
Present condition	: Excellent	:
Reference of site	: Floor (85.95) M.L.L.W.	:



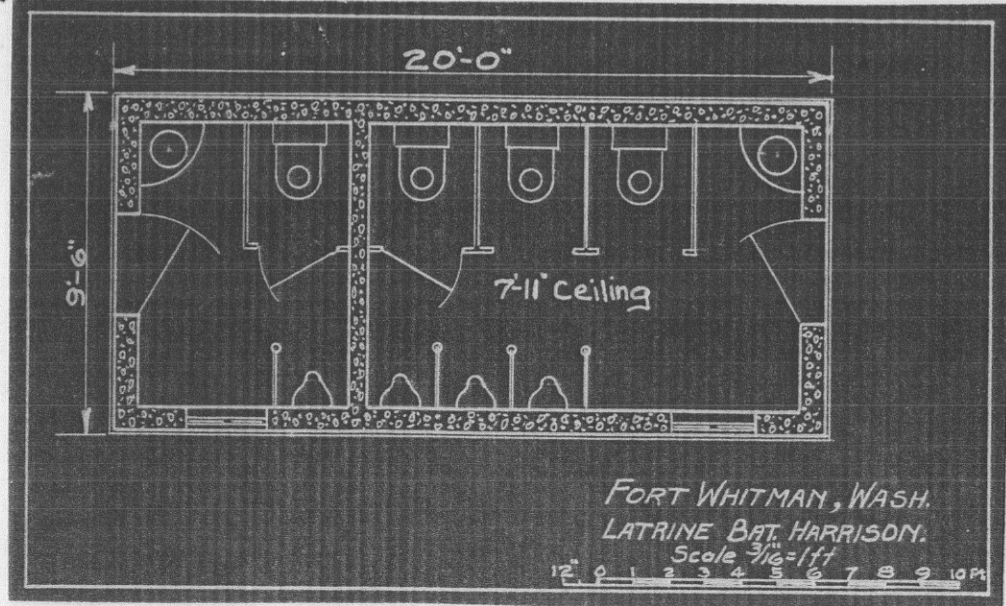
Superseded 501-33

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE LATRINE

Form 2 Corrected to Feb. 1920.

Location : On parade level in rear:
 : of Emp. 1 & 2. Bat. :
 : Harrison. :
 Date of transfer : May 9, 1911 :
 Cost to that date : \$1955.00 :
 Type of construction :
 {a} Roof : Concrete :
 {b} Remainder of bld. : Concrete :
 Source of electric current: Power plant in Bat. :
 : Harrison :
 Kilowatts required : 0.12 :
 Type of lighting fixtures : Commercial :
 How heated : No heat. :
 Connected to water mains : Yes :
 Connected to sewer : Yes :
 Type of latrine : Syphon :
 Permanent or temporary :
 structure : Permanent :
 Present condition : Excellent :
 Reference of site : Floor (85.95) M.L.L.W. :

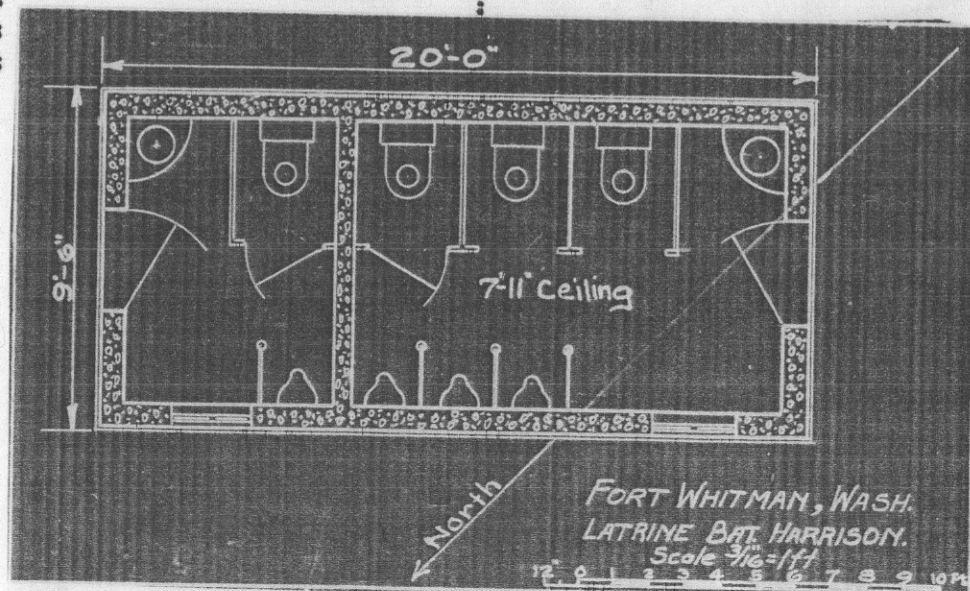


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN,
STRUCTURE LATRINE WASH.,

Form 2. Corrected to May 1, 1933.

Location	: On parade level in rear of	: Stations served	: Battery Harrison and
Date of transfer	: Emp. 1 & 2, Battery Harrison		: Radio Station.
Cost to that date	: May 9, 1911		
Type of construction	: \$1,055.00		
(a) Roof	: Concrete		
(b) Remainder of building	: Concrete		
Source of electric current	: Power Plant in Battery		
Kilowatts required	: Harrison		
Type of lighting fixtures	: 0.12		
How heated	: Commercial		
Connected to water mains	: No heat		
Connected to sewer	: Yes		
Type of latrine	: Yes		
Permanent or temporary installation	: Syphon		
Present condition	:		
Reference of site (Floor)	: Permanent		
	: Poor		
	: 85.95 M. L. L. W.		



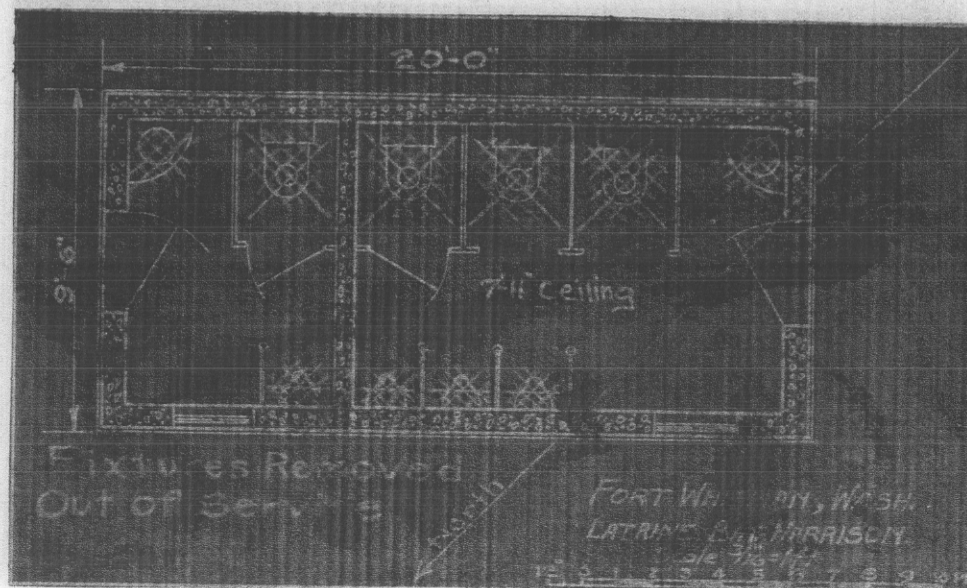
SUPERSEDED :- See Form 2,
corrected to Sept. 15, 1938

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
STRUCTURE - LATRINE (Battery Harrison)

Form 2. Corrected to September 15, 1938

STRUCTURE:	:	:	:
Location	: On parade level in rear of	: Stations served	: Battery Harrison
	: Emps. Nos. 1 & 2, Battery		
	: Harrison.		
Date of transfer	: May 9, 1911	: Remarks	: <u>Fixtures removed, out</u>
Cost to that date	: \$1,055.00		: <u>of service</u>
Type of construction	:		
(a) Roof	: Concrete		
(b) Remainder of building	: Concrete		
How concealed	: From front by Btry. Harrison		
	:		
How protected	: Same		
	:		
Height above concealment	: None		
Height above protection	: None		
Conspicuous at	: Not visible from front		
ELECTRIC CURRENT:	:		
Source of	: Battery Harrison Power Plant		
Kilowatts required	: 0.12		
Type of lighting fixtures	: Commercial		
HEAT:	:		
How heated	: No heat		
WATER & SEWER:	:		
Connected to water mains	: Yes		
Connected to sewer	: Yes		
Type of latrine	: Syphon (Fixtures removed)		
Permanent or temporary Inst.	: Permanent		
Present condition	: Building fair		
REFERENCE:	:		
Reference of site	: 85,95 M. L. L. W.		



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
POWER FOR Battery Harrison, Radio,
F.C.Stations, Lines.

Form 5. Corrected to May 1, 1933.

													SWITCHBOARD		
													Material	No. of Panels	
													Volts	Wires	Used to C.M. Lines
Serial No.	Type	Size	Mfr.	Date	of trans-fer	Cost	Condi-tion	RPM	direct-drive	line No.	fuel	Material	No. of Panels		
Engine	No. 1:	17760	GM-12	43/54	G.L.Co.	1/26/20	*	Good	560	Direct	Gasoline	115 DC	2	No	} Sec 6751 (42) 6751
	No. 2:	6779	GM-12	-do-	-do-	5/9/11		-do-	560	-do-	-do-	115 DC	2	No	
Generator	No. 1:	924270	MPC	25 KW	-do-	1/26/20		-do-	560	-do-					
	No. 2:	313003	MPC	25 KW	-do-	5/9/11		-do-	560	-do-					
Radiator	No. 1:	17267			-do-	1/26/20		-do-		-do-	17760				
	No. 2:	No.No.			-do-	5/9/11		-do-		-do-	6779				
Radiator Fan															
Motor	No. 1:	955971	RC27A	3 HP	-do-	1/26/20		-do-	1150	-do-					
	No. 2:	314155	Cu-3	3 HP	-do-	5/9/11		-do-	1050	-do-					
Switchboard		89			Walker Co.	5/9/11		-do-				Marble		1 Gen.	
		284			Westing-	1/26/20		-do-				Marble		1 Feeder	
					house									1 Gen.	

DISTRIBUTION of KW
Battery Harrison-----5.5
F.C.Stations-----1.0
Lines-----1.5

* STATEMENT of COST

Cost of Installation-----Not known.

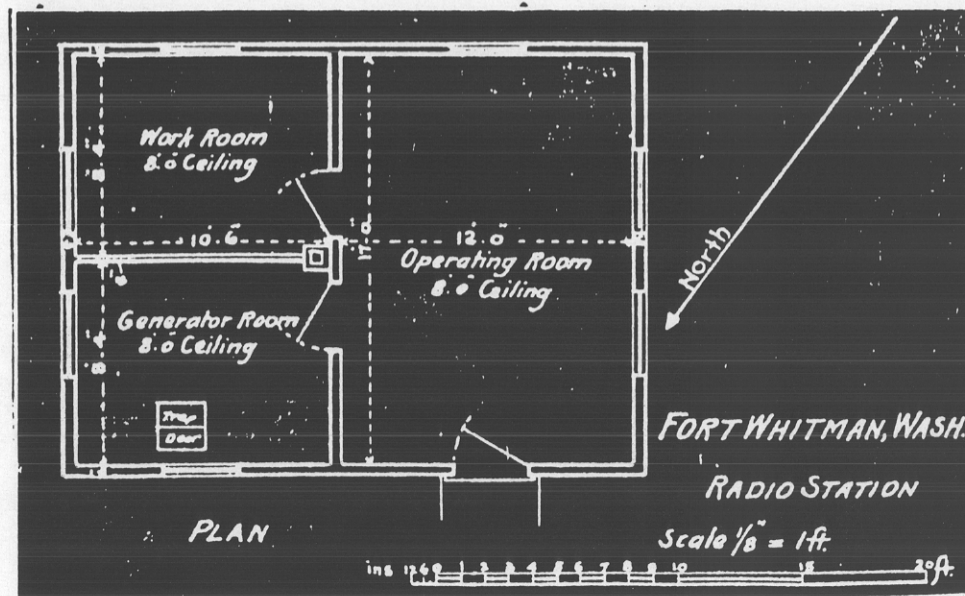
* A.G.O. approves that local facilities will be utilized to dismantle the 25 KW sets and ship them to Ft. Worden for storage. See 9th Ind., dated 12/29/39, 662 B (Puget Sound) 57

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
STRUCTURE RADIO STATION

Form 2. Corrected to May 1, 1933.

Location	: 200' East of Gun No. 1, : Battery Harrison	:	:
Date of transfer	: June 14, 1915	:	:
Cost to that date	: \$800.00	:	:
Type of construction	:	:	:
(a) Roof	: Shingles	:	:
(b) Remainder of building	: Frame	:	:
How concealed	: No concealment	:	:
How protected	: No protection	:	: Remarks:-
Source of electric current	: Power Plant in Battery : Harrison	:	: Radio Set was removed : by Artillery, March 22, : 1926.
Kilowatts required	: Lights, 0.54	:	: (Authority 5th Ind. : file 675-3 of Corps : Area, 3-3-26)
Type of lighting fixtures	: Commercial	:	:
How heated	: Stove	:	:
Connected to water mains	: No	:	:
Connected to sewer	: No	:	:
Permanent or temporary installation	: Permanent	:	:
Present condition	: Fair	:	:
Reference of site (floor)	: 105.08 M.L.L.W.	:	:

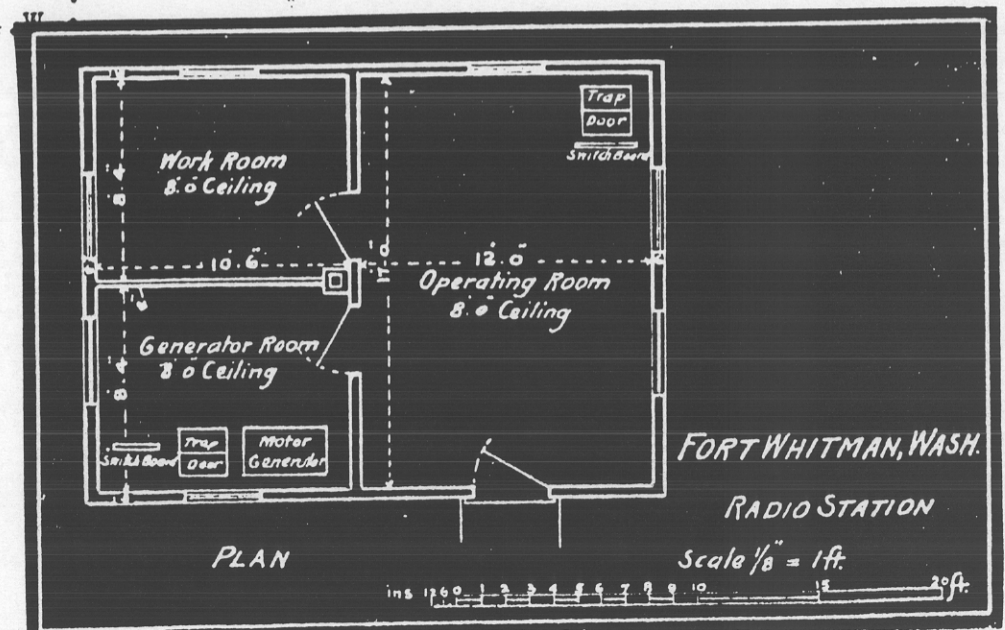


REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE RADIO STATION

Form 2 Corrected to Feb. 1920.

Location : 200' East of Gun #1 :
 : Bat. Harrison :
 Date of transfer : June 14, 1915. :
 Cost to that date : \$800.00 :
 Type of Construction : :
 a. (Roof) : Shingles :
 (b) Remainder of bld. : Frame :
 How concealed. : No concealment :
 How protected : No protection :
 Source of electric current: Power plant in Bat. :
 : Harrison. :
 Kilowatts required : Lights, 0.54, Power 2.8 :
 Type of lighting fixtures : Commercial :
 How heated : Stove :
 Connected to water mains : No :
 Connected to sewer : No :
 Permanent or temporary : :
 installation : Permanent :
 Present condition : Excellent :
 Reference of site : (floor) 105.08 H.L.I. W



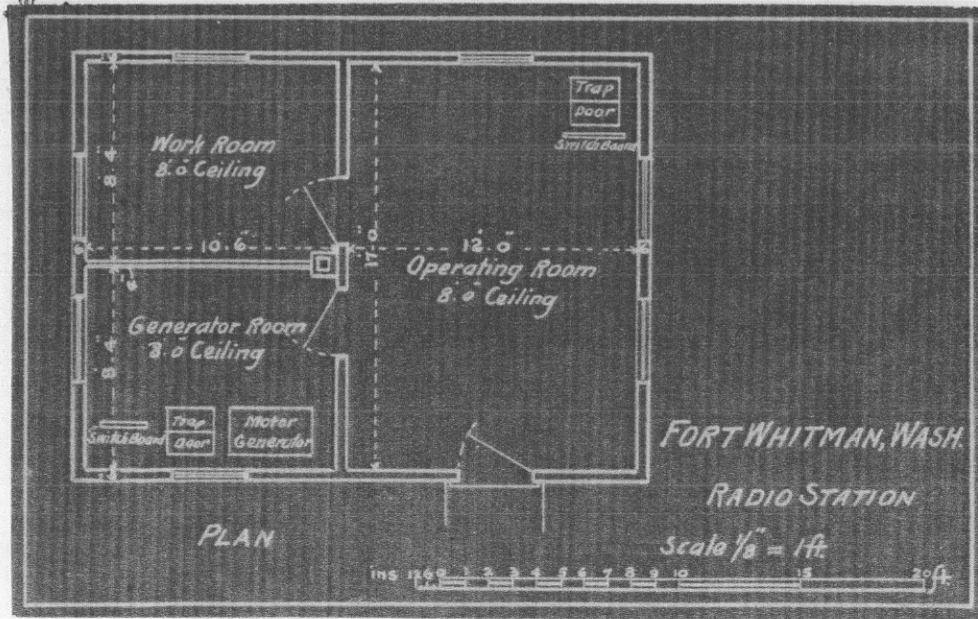
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

Superseded 01-33. ✓
COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE RADIO STATION

Form 2

Corrected to Feb. 1920.

Location : 200' East of Gun #1
: Bat. Harrison
Date of transfer : June 14, 1915.
Cost to that date : \$800.00
Type of Construction :
a. (Roof) : Shingles
(b) Remainder of bld. : Frame
How concealed : No concealment
How protected : No protection
Source of electric current: Power plant in Bat.
: Harrison.
Kilowatts required : Lights, 0.54, Power 2.8
Type of lighting fixtures : Commercial
How heated : Stove
Connected to water mains : No
Connect@d to sewer : No
Permanent or temporary :
installation : Permanent
Present condition : Excellent
Reference of site : (floor) 105.08 M.L.I. W



REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

COAST DEFENSES OF PUGET SOUND
FORT WHITEALL
POWER FOR 30" SEARCHLIGHT

Form 5 Corrected to March 1920.

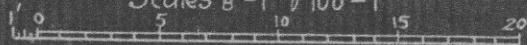
	SERIAL NO.	TYPE	SIZE	Manufacturer	Date of Transfer	Cost	Con- dition	RPM	Boiler of direct drive	Fuel	Switch- board. No. of series of Pan- els
Boiler No. 1.	-----	Vertical Fire Tube	42"x8'- 6"	Washington Machinery Depot	Aug 1, 1913.	\$280. 00	Good			Coal	
Engine No. 1.	1456	form D-3	6-1/2"x 5"	General Electric Co.	Aug.1, 1913		Good	460	Dir- ect.		
Generator No. 1.	54795	M.P. Form A.	10 K.W.	General Electric Co.	Aug.1, 1913		Good	460	Dir- ect		Wood one

projector, Engine, & generator, re-
ceived at Fort Casey in Mar. 1920
from an eastern district.

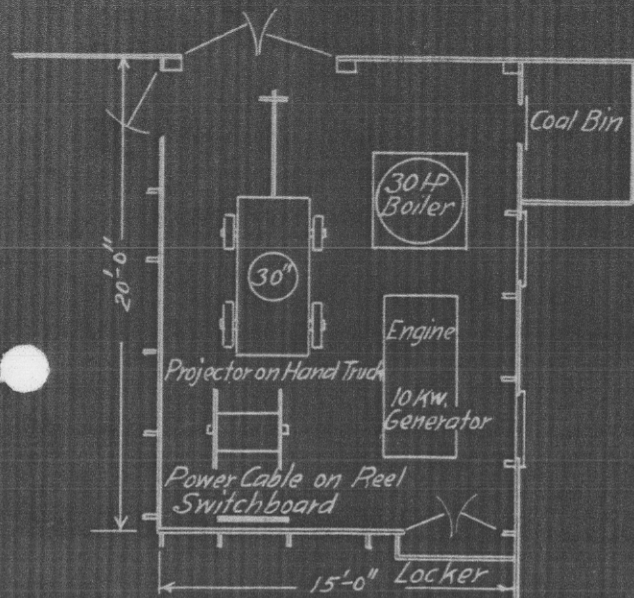
DISTRIBUTION OF KW.
30" Searchlight 10.0

FORT WHITMAN, WASH.
 30-INCH SEARCHLIGHT WITH
 10KW. STEAM-ELECTRIC GENERATING SET.

Scales $\frac{1}{8}'' = 1'$ & $100' = 1''$



Aug 1917.

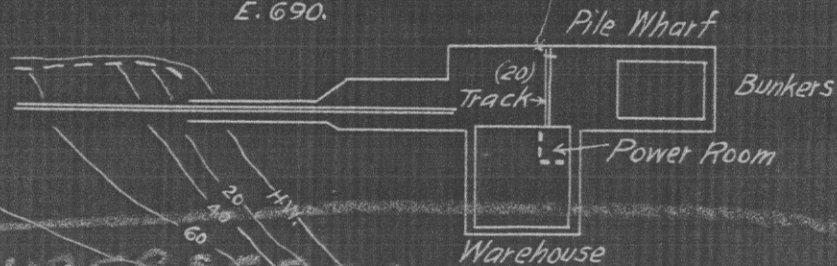


S.L. SHELTER AND POWER ROOM

NOTE: Power room partitioned off in corner of wooden warehouse.

SWINOMISH SLOUGH

Axis of Light (260)
 Approximate coordinates from
 directing point of Battery Harrison
 N. 420.
 E. 690.



~~SUPERSEDED~~ - See print
 dated Sept 1138

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
POWER FOR 30" SEARCHLIGHT

Form 5. Corrected to May 1, 1938.

	Serial No.	Type	Size	Manufacturer	Date of transfer	Cost	Condi- tion	RPM	direct drive	Fuel	Material	No. of Panels
Boiler	No. 1	Vertical Fire Tube	42"x8'-6"	Washington Machinery Depot	Aug. 1, 1913	\$280.00	Unserviceable			Coal		
Engine	No. 1: 1456	Form 16-3 D	6 1/2"x5"	General Elec. Co.	Aug. 1, 1913	*	Poor	460	Direct			
Generator	No. 1: 54795	M.P. Form A	10 KW	General Elec. Co.	Aug. 1, 1913		Poor	460	Direct		Wood	One

DISTRIBUTION of KW
30" Searchlight-----10.0

REMARKS : - *Projector, Engine, and Generator received at Fort Casey in March, 1900 from an eastern district.

*STATEMENT of COST

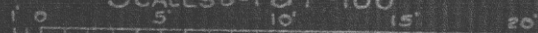
Cost of installation-----\$397.98

All on I & I 1935
COFE 141.81 (9-1-38) 102

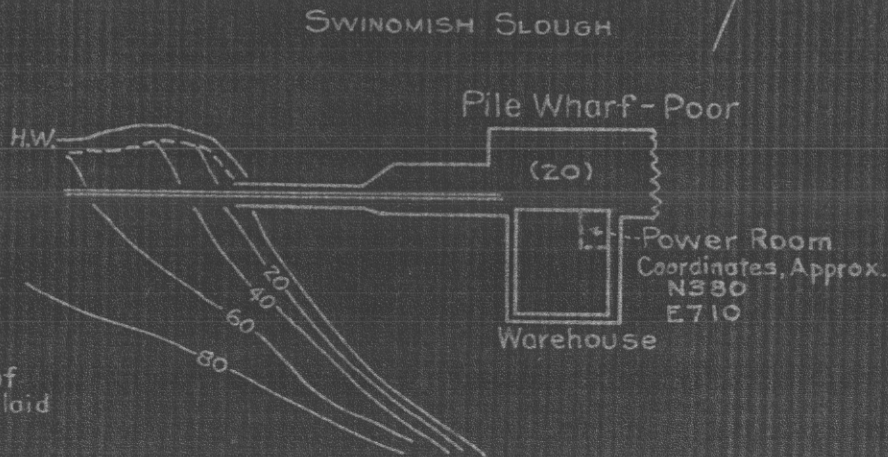
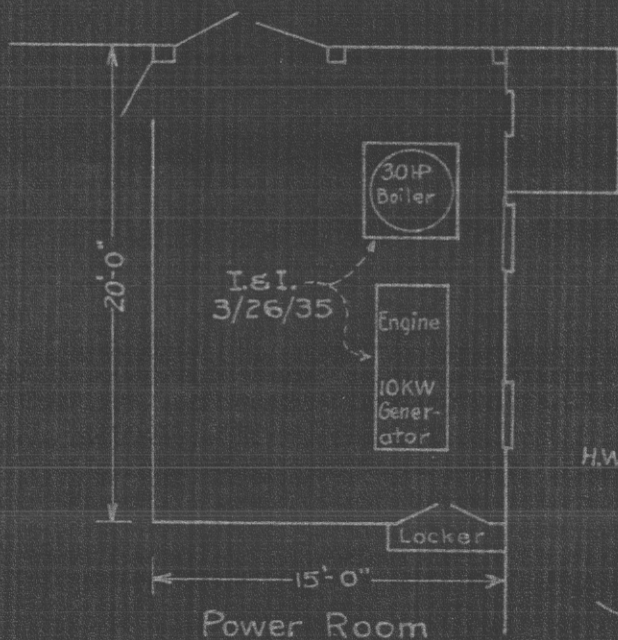
SUPERSEDED: - See Form 5,
corrected to Sept. 15, 1938

FORT WHITMAN, WASH.
 10KW. STEAM-ELECTRIC GENERATING SET
 FOR 30 IN. SEARCHLIGHT (FORMER)

SCALE 3/8" = 1' & 1" = 100'



Sept. 1938

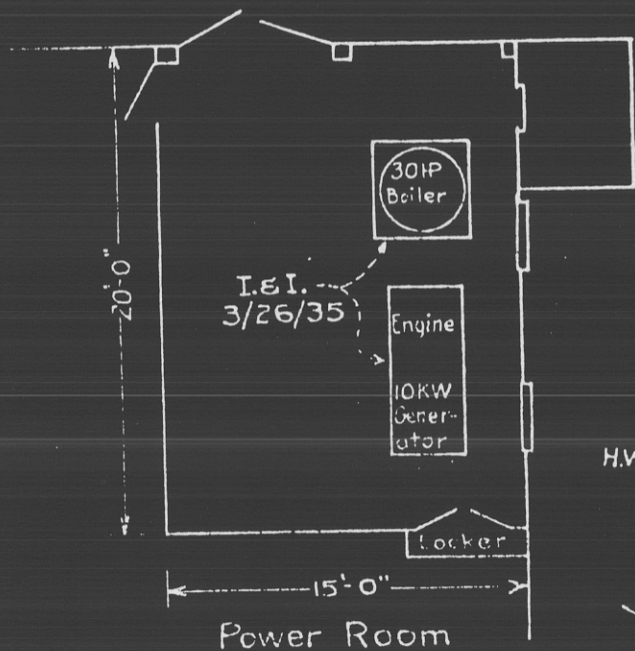


Note: Power Room partitioned off in corner of wooden warehouse. Floor is a 4" concrete slab laid on the 3" planking of the wharf.

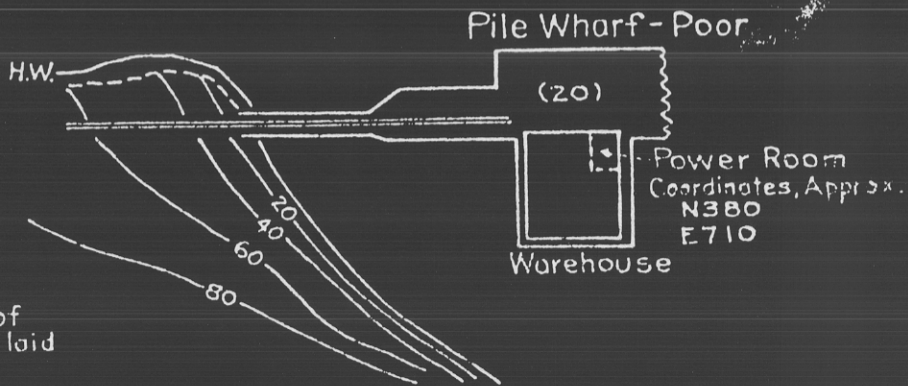
FORT WHITMAN, WASH.
 10KW. STEAM-ELECTRIC GENERATING SET
 FOR 30 IN. SEARCHLIGHT (FORMER)

SCALE $\frac{1}{8}'' = 1'$ & $1'' = 100'$

Sept. 1938



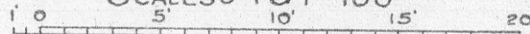
SWINOMISH SLOUGH



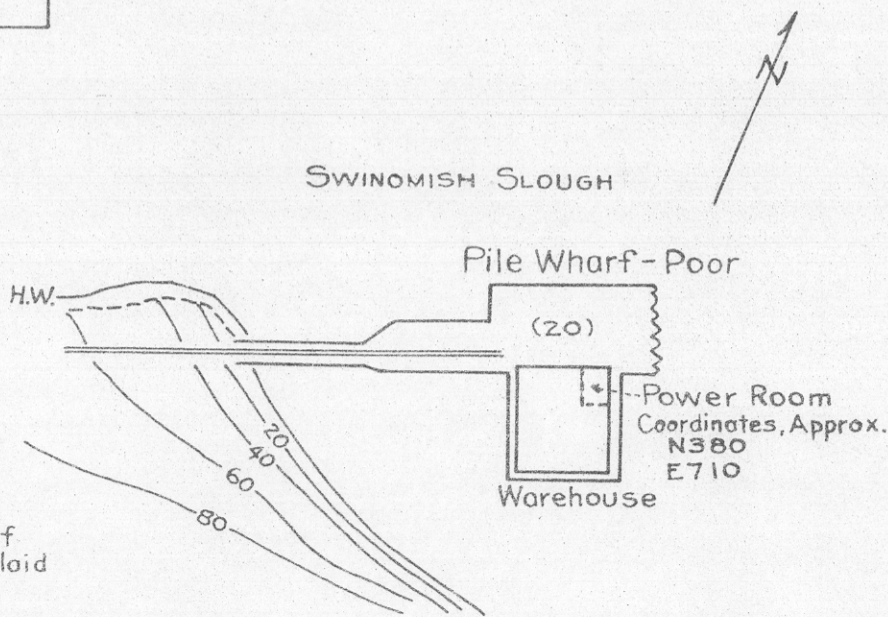
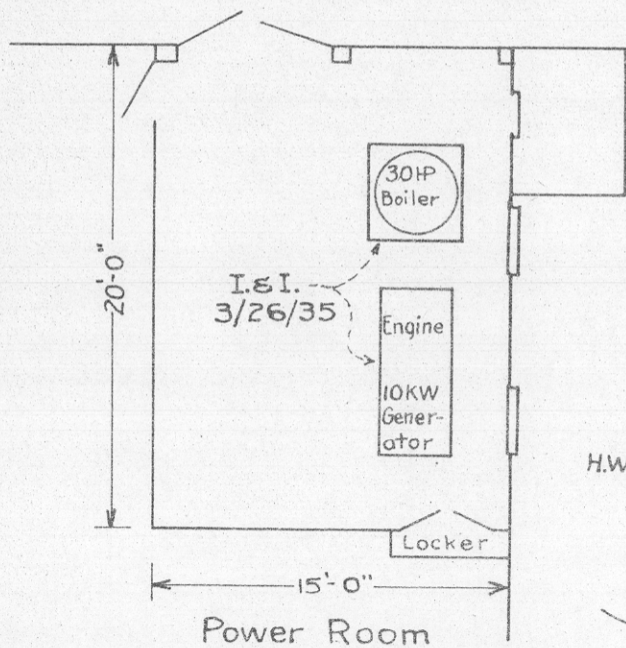
Power Room partitioned off in corner of
 warehouse. Floor is a 4" concrete slab laid
 on the 3" planking of the wharf.

FORT WHITMAN, WASH.
 10KW. STEAM-ELECTRIC GENERATING SET
 FOR 30 IN. SEARCHLIGHT (FORMER)

SCALE $\frac{1}{8}$ " = 1' & 1" = 100'



Sept. 1938



Note: Power Room partitioned off in corner of wooden warehouse. Floor is a 4" concrete slab laid on the 3" planking of the wharf.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Searchlights)

COAST DEFENSES OF
FORT
SEARCHLIGHT NO.
SIZE 30" Fixed.

PUGET SOUND
WHITMAN
NO NUMBER

Form 4

Corrected to August, 1921.

<u>PROJECTOR</u>		<u>INSTALLATION</u>	
Location	: On Ft. Whitman wharf	General character	: power room and shelter are same room
Manufacturer	: General Electric Co.	Date transferred to troops	: August 1, 1913.
Type of projector	: 30" E.C.	Cost to that date of shelter	: Not known
Form of projector	: F	Shelter	: Wood
Serial No. of projector	: 333	Materials of construction	: 15'-0" x 20'-0"
Type of lamp	: H.E.	Interior dimensions	: No tower
Model of lamp	:	Height and type of tower	: Run out on hand
Serial No. of lamp	: 397	Means by which projector is placed in operating position	: truck 50'
Electric or hand control	: Either	Reference axis of projector in operating position	: 26.0' M.L.L.W.
Material of mirror	: Glass	Kind of protection in operating position	: Kind of protection
Date received in district	: March, 1900 at Ft. Casey	Concealment of day shelter	: None
From whom received	: Not known	from approach channel	:
Age of mirror	: Not known	Dates and cost of extensive remodeling or reconstruction	: Artillery installed temporary aerial line to power room in Battery Harrison
Condition of mirror	: Poor	Location	: In same room as shelter
Date last repaired	: Not known	Maximum demand KW	: 10.0
Switchboard, Serial No.	: No number	Type and size	: 10.0KW generator steam driven
<u>CABLES #</u>		<u>POWER PLANT</u>	
Power plant to searchlight	:	Location	: In same room as shelter
Length and size	: 76' duplex	Maximum demand KW	: 10.0
In conduits or in air	: Air	Type and size	: 10.0KW generator steam driven
Controller to light	:	<u>CONTROLLERS</u>	
Length and size	: 157' on reel	Location	: With light, but not used
In conduit or in air	: Not used	Type	: E.C.B. Class 30"
Aux. controller to light	: None	Serial No.	: 137

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Searchlights)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
SEARCHLIGHT NO. NO NUMBER
SIZE - 30" FIXED

Form 4 Corrected to September 15, 1938

PROJECTOR:	:	INSTALLATION:	:
Location	: Fort Whitman Wharf (formerly)	General character of	: Power room and shelter same : room (corner of wharf Whse.)
Manufacturer	: General Electric Company	Date transferred to troops	: August 1, 1915
Type of projector	: 30" E.C.	Cost to that date	: Not known
Form of projector	: F	Shelter:	:
Serial No. of projector	: 333	Materials of construction	: Wood
Type of lamp	: N.E.	Interior dimensions	: 15'-0" x 20'-0"
Model of lamp	: Not known	Height and type of tower	: No tower
Serial No. of lamp	: 397	Means by which projector	:
Electric or hand control	: Either	was placed in operating	:
Date received in Har. Def.	: March, 1900, at Fort Casey	position	: Run out on hand truck 50'
From whom received	: Not known	Reference axis of projector:	:
MIRROR:	:	in operating position	: 26.0' M.L.L.W.
Date purchased	: Not known	Kind of protection in	:
Present condition	: -	operating position	: None
Date last repaired	: Not known	Concealment of day shelter:	:
SWITCHBOARD, Serial No.	: No number	from approach channel	: None
CABLES:	:	Dates & cost of extensive	:
Power plant to searchlight:	-	remodeling or reconstruct-	:
Type	: -	ion	: Artillery installed temporary
Length and size	: 76' duplex		: aerial line to power room in
In conduits or in air	: -		: Battery Harrison, 1933
Controller to light	: -	POWER PLANT:	:
Type	: -	Location	: Same room as shelter
Length and size	: 157' on reel	Maximum demand KW	: 10.0
In conduit or in air	: -	Type and size	: 10.0 KW steam driven generator
Aux. Controller to light	: None	CONTROLLERS:	:
Length and size	: -	Location	: With light
In conduit or in air	: -	Type	: E.C.B. Class 30"
NOTE:	:	Form	: -
Searchlight and power plant placed on I. and I.	:	Serial No.	: 137
Report dated March 26, 1935 - 6th Ind., C. of E. 141.81	:	How protected or concealed	: -
(9th CA) Office C. of E., Feb., 25, 1935.	:		
Turned in to Salvage April 30, 1936. Projector and	:		
switchboard turned over to Lighthouse Service.	:		

THIS FEATURE IS DISCONTINUED

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
STRUCTURE DATUM "SEAL".

Form 2. Corrected to May 1, 1933.

Location	: On "Seal Rock".	: For datum points give Ports	:
(Coordinates from Directing:	: North 3306.6	: from which visible	: Whitman
Point, Battery Harrison, :	: West 6909.5	:	:
Initial Point)	:	:	:
Date of transfer	: Not transferred	: Remarks:	: This datum is set over
st to that date	: \$70.00	:	: U.S.C. & G. Survey
Type of construction	: Board 3' x 12", painted	:	: Triangulation Point
	: black and white, center 25	:	: "SEAL".
	: feet above M.L.L.W., is	:	:
	: clamped to 3" G.I. pipe 6'	:	:
	: long, drilled into "Seal"	:	:
	: Rock	:	:
	:	:	:
	:	:	:
	:	:	:

SUPERSEDED - See Form 2,
corrected to Sept. 15, 1933

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
STRUCTURE - DATUM "SEAL"

Form 2. Corrected to September 15, 1938

STRUCTURE:	:	:	:
Location (Coordinates from directing point, Battery Harrison)	:	FORT FROM WHICH VISIBLE:	: Fort Whitman
Date of transfer	:	:	:
Cost to that date	:	REMARKS:	: This datum was set over
Type of construction	:	:	: U.S.C. & G. Survey
	:	:	: Triangulation Point "SEAL"
	:	:	:
REFERENCE:	:	:	:
Reference of site	:	See above	:

NOTE:

Datum has been destroyed, time not known.

THIS FEATURE IS DISCONTINUED

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Electric Plants)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
POWER FOR 30" SEARCHLIGHT, NO NUMBER

Form 5. Corrected to September 15, 1938

Serial No.	Type	Size	Manufacturer	Transfer	Cost	Condition	RPM	Drive	Fuel	Material	No. of Panels
Boiler No.1	- Vertical	42"x 8'-6"	Washington Machinery Depot	August 1, 1913	280.00	Unserviceable			coal		
Engine No.1	1456 Form G-3	6 $\frac{1}{2}$ "x 5"	General Electric Co.	August 1, 1913	Instal: 397.98	Poor	460	Dir.			
Generator #1	54795 M.P. Form A	10 KW	General Electric Co.	August 1, 1913	-	Poor	460	Dir.			
Switchboard	-	-	-	August 1, 1913	-	-				Wood	One

DISTRIBUTION OF KW - 30" Searchlight, 10.0

NOTE:

Searchlight and power plant placed on I. and I. Report dated March 26, 1935 - 6th Ind., C. of E. 141.81(9th CA) Office C. of E., Feb., 25, 1935.

Turned in to Salvage April 30, 1936. Projector and switchboard turned over to Lighthouse Service.

THIS FEATURE IS DISCONTINUED

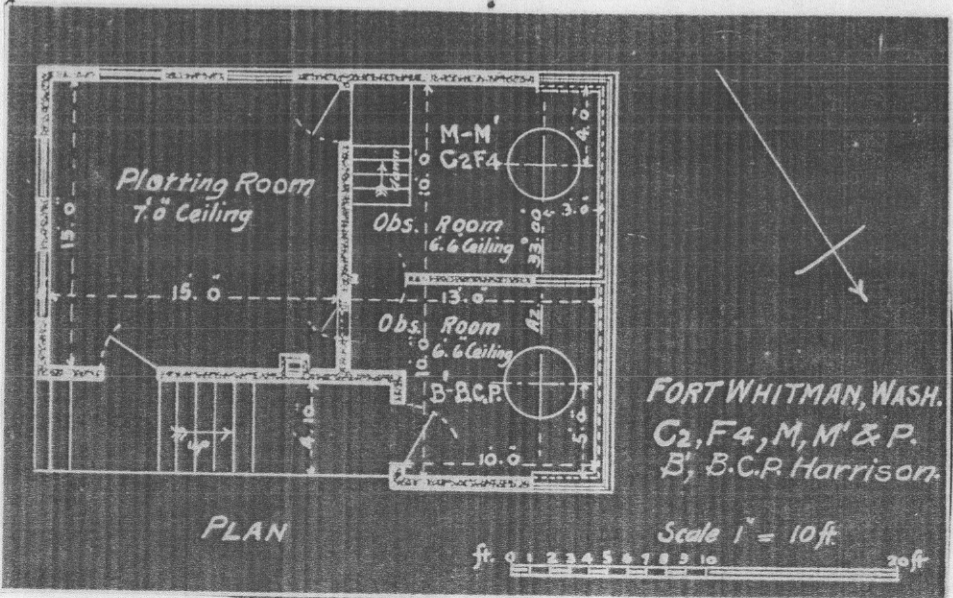
REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND,
FORT WHITMAN, WASH.,
STRUCTURE C2-F4-M-M'.
B'-B.C. Post Harrison
P Mine Group



Form 2. Corrected to May 1, 1933

Location	: West end of Goat Island	: Type of data transmission	: Telephone
(Coordinates from Directing Point, Battery Harrison, Initial Point)	: B' South 657.14 : West 721.68 : M' South 666.80 : West 727.92	:	:
Date of transfer	: May 9, 1911	:	:
Cost to that date	: \$2,156.00	:	:
Type of construction	:	:	:
(a) Roof	: Sheet metal	:	:
(b) Remainder of building	: Concrete	:	:
How concealed	: Earth and rock fill up to level of slot windows and native trees	:	:
How protected	: As above	:	:
Height above concealment	: 2'-0"	:	:
Height above protection	: 2'-0"	:	:
Conspicuous at	: 2000 yards	:	:
Source of electric current	: Power plant in Battery Harrison	:	:
Kilowatts required	: 0.48	:	:
Type of lighting fixtures	: Commercial	:	:
How heated	: Stove	:	:
Connected to water mains	: No	:	:
Connected to sewer	: No	:	:
Permanent or temporary installation	: Permanent	:	:
Present condition	: Good	:	:
Reference of site (floor of observing room)	: 68.5 M.L.L.W.	:	:
Reference of instrumental axis	: 74.00 M.L.L.W.	:	:
Type of observing instrument	: Swasey D.P.F. Class AII	:	:
Type of plotting board	: W. & H., Model 1904	:	:



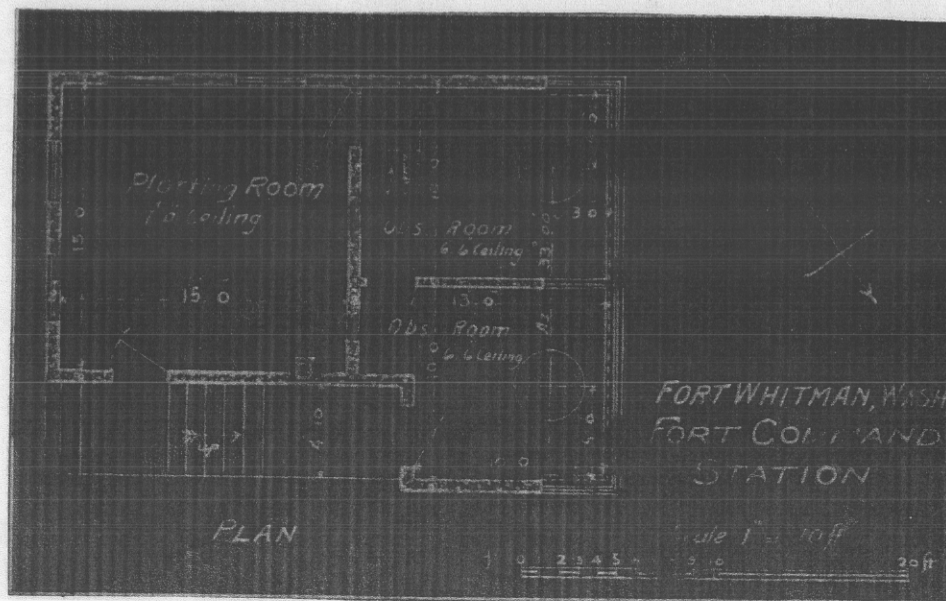
SUPERSEDED - See Form 2,
corrected to Sept. 15, 1938

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire Control or Torpedo Structures)

HARBOR DEFENSES OF PUGET SOUND
FORT WHITMAN, WASH.
STRUCTURE - FORT COMMAND STATION (Formerly
C2-F4-M-M' B'-BC Post Harrison
P Mine Group)

Form 2. Corrected to September 15, 1938

STRUCTURE:	: West end, Goat Island	INSTRUMENTS AND EQUIPMENT:	:
Location (Coordinates from Directing Point, Battery Harrison)	: Right Room, South 657.14: West 721.68	Type of observing instrument	: Swazey DRF, Class AII
	: Left Room, South 666.80: West 727.92	Type of plotting board	: (Removed)
Date of transfer	: May 9, 1911		: W. & H., Model 1904
Cost to that date	: \$2,156.00		: (Removed)
Type of construction	:	DATA TRANSMISSION:	:
(a) Roof	: Plott. Room, concrete	Type of	: Telephone
(b) Remainder of building	: Obs. Stations, steel		:
How concealed	: Concrete		:
How protected	: Embankment up to sight: ing slot & native trees		:
Height above concealment	: As above		:
Height above protection	: 2 feet		:
Conspicuous at	: 2 feet		:
ELECTRIC CURRENT:	: 500 yards		:
Source of	:		:
Kilowatts required	: Battery Harrison P. P.		:
Type of lighting fixtures	: 0.48		:
HEAT:	: Commercial		:
How heated	:		:
WATER & SEWER:	: Coal stove		:
Connected to water mains	:		:
Connected to sewer	: No		:
Type of latrine	: No		:
Permanent or temporary Install.	: None		:
Present condition	: Permanent		:
REFERENCE:	: Good except steel roof		:
Reference of site (floor of observing rooms)	: which is poor		:
Reference of instrument axis (Instruments removed)	: 68.5 M. L. L. W.		:
	: 74.00 M. L. L. W.		:



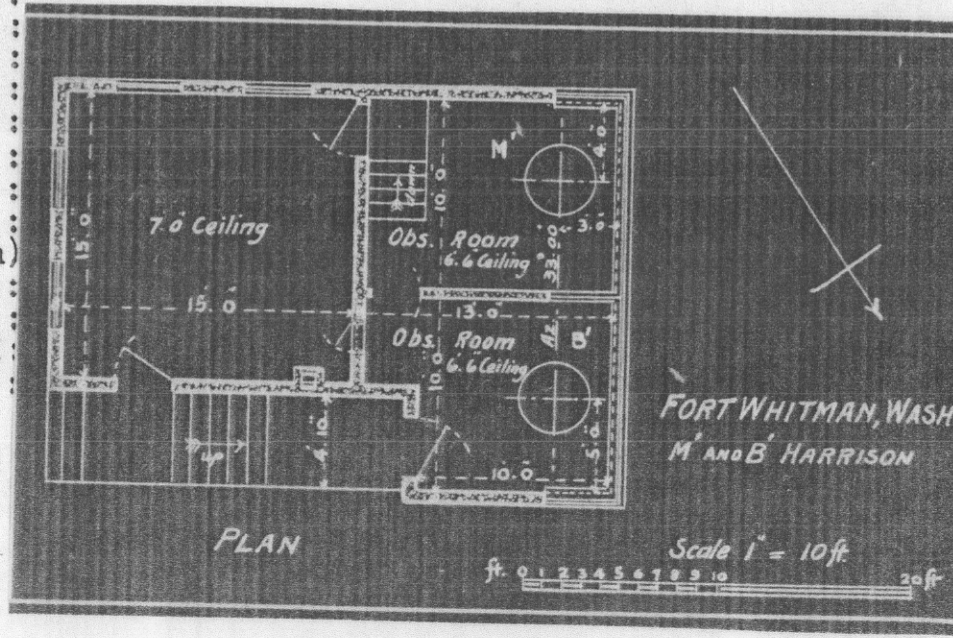
Superseded 5-1-33.

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE B' AND M' (HARRISON)

Form 2 Corrected to August, 1921.

Location	: West end of Goat Island	Type of data transmission	: Telephone
Date of Transfer	: May 9, 1911		
Cost to that date	: \$2,156.00		
Type of construction	:		
(a) Roof	: Sheet metal		
(b) Remainder of Bldg.	: Concrete		
How concealed	: Earth and rock fill up : to level of slot win- : dows		
How protected	: As above		
Height above concealment	: 2'-0"		
Height above protection	: 2'-0"		
Source of electric current	: Power Plant in Bat. Har- : rison		
Kilowatts required	: .48		
Type of lighting fixtures	: Commercial		
How heated	: Stove		
Connected to water mains	: No		
Connected to sewer	: No		
Permanent or temporary installation	: Permanent		
Present condition	: Excellent		
Reference of site M.L.L.W.	: 68.5 (Floor of obs. room)		
Reference of instrumental axis	: 74.0		
Type of observing inst.	: Swasey D.P.F. Class AII		
Type of plotting board	: W. & H. M. 1904		



*Superseded - See Form 2,
corrected to May 1, 1933*

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
(Fire control or Torpedo Structures)

5-1-22
COAST DEFENSES OF PUGET SOUND
FORT WHITMAN
STRUCTURE DATUM "SEAL"

Form 2 Corrected to Feb. 1920.

Location	: On "Seal" Rock	: For datum points give:
Date of transfer	: Not transferred	: Ports from which
Cost to that date	: \$70.00	: visible
Type of construction	: Board 3' x 12", painted	: Whitman
(a) Reef	: black and white, center	:
(b) Remainder of bld.	: 25 feet above M.L.I.W.	:
	: is clamped to 3" G.I.	:
	: pipe 6' long, drilled	:
	: into "Seal" Rock	:
	:	:
	:	:
	:	:
	:	:

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS
 (Fire Control or Torpedo Structures)

COAST DEFENSES OF PUGET SOUND
 FORT WHITMAN
 STRUCTURE DATUM "HOPE"

Form 2

Corrected to Feb. 1920

Location	: West end of Hope : Island	: For datum points give : Forts from which visible:	: Whitman
Date of transfer	: Not transferred	:	:
Cost to that date	: \$150.00	:	:
Type of construction	: Consists of a 3 inch : galvanized pipe about : 10 feet long erected : on a rock. The datum : mark is a board 5'x : 2' painted black and : white and clamped : horizontally across : pipe	:	:
Reference of site	M.L.L.V. Center of board, 25.0	:	:
	:	:	:
	:	:	:

REPORT OF COMPLETED WORKS SEACREST FORTIFICATIONS.
(Fire control or torpedo structures)
Form 2 Corrected to October 31, 1930

COAST DEFENSES OF PUGET SOUND
FOOT WHITMAN WASHINGTON
STRUCTURE DATUM "HOPE"

Location	: West end of Hope Is.	: For datum points give forts	: Whitman
Coordinates from directing point of Bat.Harrison	: N.11352.55	: from which visible	:
Date of transfer	: W.10633.25	:	:
Cost to that date	: Not transferred	:	:
Type on construction	: \$150.00	:	:
	: Consists of a 3 inch	:	: NOTE:
	: galvanized pipe about:	:	: <u>This datum has been</u>
	: 10 feet long erected:	:	: <u>destroyed by storms.</u>
	: on a rock. This datum:	:	:
	: mark is a board 5'x	:	:
	: 2' painted black and;	:	:
	: white and clamped	:	:
	: horizontally across pipe.	:	:
Reference of site M.L.L.V	: Center of board, 25.0	:	:
	:	:	:

*Destroyed by storm
from fort
...*

REPORT OF COMPLETED WORKS SEACAST FORTIFICATIONS.

Form 6 Corrected to October 31, 1930.

HARBOR DEFENSES OF PUGET SOUND.
 FORT WHEELER WASHINGTON.
 ENGINEER DEPARTMENT STRUCTURES.

On this sheet list any existing structures of a permanent or semi-permanent nature used wholly or in part by the Engineer Department, such as wharves, storehouses, quarters, office buildings, railroads and railroad equipment, giving for each a short description, dimensions, materials of construction, present use, locations, etc., and cost if known.

Local Name	Permanent: Semi-Perm:	Description
Office and Quarters	P	2 story wood, 18'x 24', lower story 3 rooms, upper story 3 rooms and bath. Built in 1910 and cost \$1052.00. Occupied temporarily by Artillery.
Wharf	P	Main wharf 39.5'x 140', with L 70'x 70' and approach 100' long (See plan) Warehouse 1 story, 55.5'x 72.5'. Timber on common piles. Built in 1909. Cost \$3759.00. Used jointly with Artillery. Repaired in P.Y. 1930 \$805.40
Tramway, cable	S. P.	700' of track, 3' gauge, 30 lb. rail. Built in 1909 at cost of \$495.00 (see plan). Operated by Artillery with electric hoist, cable and small flat car.

Transfer to Q.M.
 660K (Puget Sound) - 52

Jan 21 - 1931
 Ad. 660K (Puget Sound) 109.
 Ad. 630.22 Ft. Whitman (8-5-31) Misc &
 Proposed transfer of military facilities
 located here on to Q.M. is concerned
 in by O. of E.

Authorized - Oct. 8, 1931 -
 Serial # 110

Form 6 Corrected to June 20, 1922. ENGINEER DEPARTMENT STRUCTURES.

On this sheet list any existing structures of a permanent or semipermanent nature used wholly or in part by the Engineer Department, such as wharves, storehouses, quarters, Office buildings, railroads and railroad equipment, giving for each a short description, dimensions, materials of construction, present use, location, etc. and cost if known.

Local Name	: Permanent :	Description
	: Semi-Perm.:	
✓ Office & Quarters	P.	2 story wood, 18'x24' lower story 3 rooms, upper 3 rooms and bath. Built in 1910, and cost \$1052. Occupied temporarily by Artillery.
✓ Wharf	P.	Main wharf 39.5'x140' with L 70'x70' and approach 100' long (See plan). Warehouse 1 story, 55.5'x72.5'. Timber on common piles. Built in 1909, cost \$3759. Used jointly with Artillery. <i>(Warehouse)</i>
✓ Tramway cable	S.P.	700' of track, 3' gauge, 30 lb. rail. Built in 1909 at cost of \$495. (see plan). Operated by Artillery with electric hoist, cable and small flat car.

Transfer to Q.11.
660K (Puget Sound) - 02

Sup. 13-11-21 - See Form G.
Corrected to Oct 31, 1922

REPORT OF COMPLETED WORKS - SEACOAST FORTIFICATIONS

Superseded

COAST DEFENSES OF PUGET SOUND
FORT MITCHELL

Form 6

Corrected to Jan. 1920.

ENGINEER DEPARTMENT STRUCTURES.

On this sheet list any existing structures of a permanent or semipermanent nature used wholly or in part by the Engineer Department, such as wharves, storhouses, quarters, Office buildings, railroads and railroad equipment, giving for each a short description, dimensions, materials of construction, present use, location, etc. and cost if known.

Local Name	:Permanent: :Semi-Perm:	Description
Office & Quarters	P.	: 2 story wood, 18'x24' lower story 3 rooms, upper 3 rooms & bath : Built in 1910 & cost \$1052. Occupied temporarily by Artillery.
Wharf	P.	: Main wharf 39.5'x140' with L 70'x70' & approach 100' long (See : plan) Warehouse 1 story, 55.5'x72.5'. Timber on common piles. : Built in 1909 cost \$3759. Used jointly with Artillery.
Tramway cable	S.P.	: 700' of track, 3' gauge, 30 lb. rail. Built in 1909 at cost of : \$495. (see plan) Operated by Artillery with steam hoist, cable : & small flat car.

*Superseded - See Form 6,
Corrected to June 20, 1922*

REPORT OF COMPLETED WORKS - SEAC LST FORTIFICATIONS

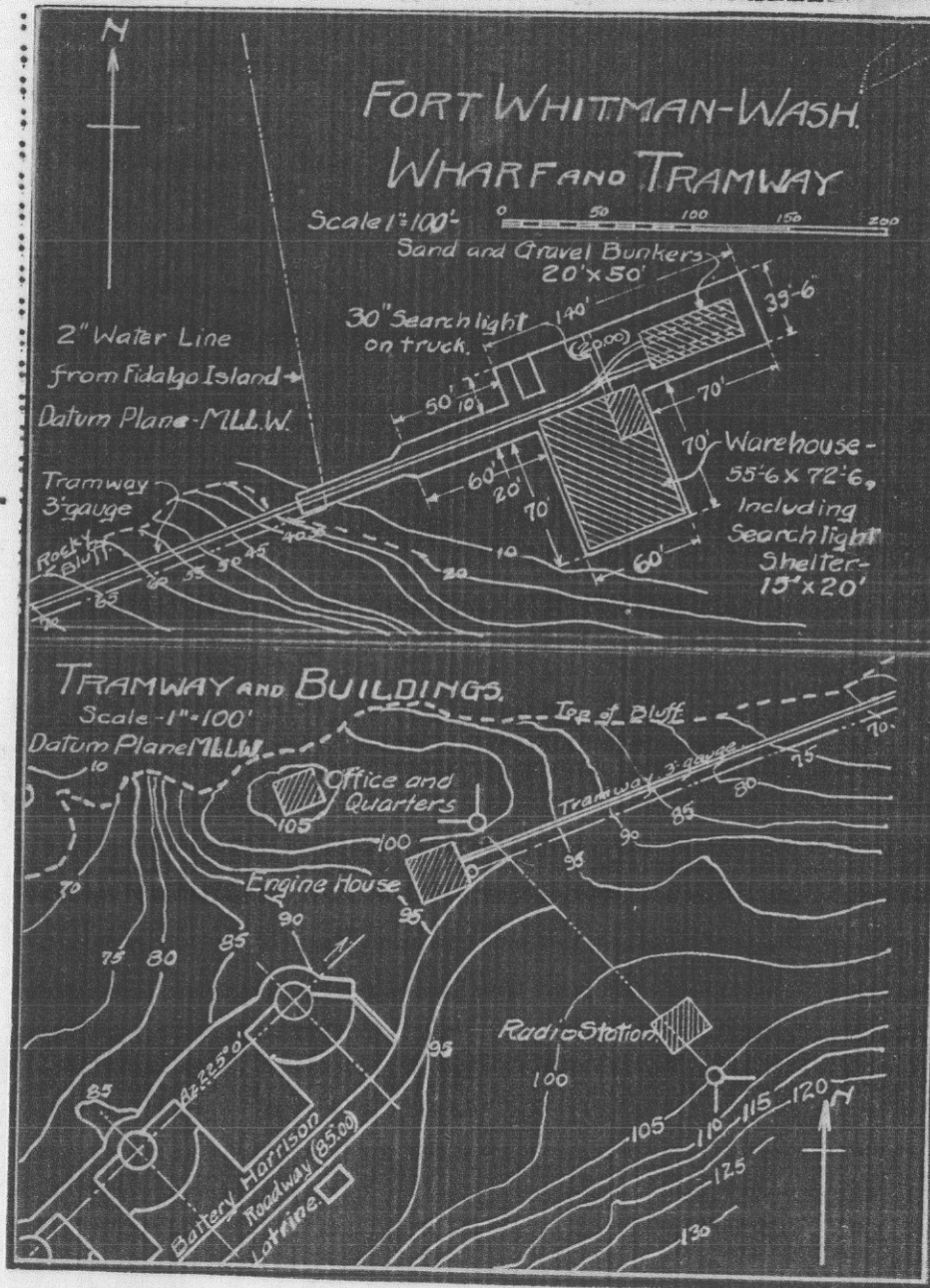
COAST DEFENSES OF PUGLET SOUND
Fort Whitman

Form 3 Dated June 26, 1922.

Location	: In engine house, top of tramway.
Date of transfer	: June 21, 1922
Cost to that date	: \$285.74
Paid for by	: U. S. Engineer Department
Description	: Single friction drum. Furnished by Superior Iron Works : Co., Superior, Wisconsin, on order 41459, C. of E. June : 28, 1921. Gross weight, crated 3325 lbs. Cost \$950.00 : F.O.B. Superior. <u>Motor</u> --General Electric Co. Serial : 249923. Crane motor, type C01806-A. 650 R.P.M. Max. : safe speed, 2700 RPM, Amps. 82, volts 115. $\frac{1}{2}$ hour rating. : Series wound, 10 H.P. Model 90088. <u>Controller</u> --General : Electric Co. No. 4034680. 5-point, reversing. Type : R-28-V. <u>Starting Resistance</u> --General Electric Co. CR- : 3132. Total resistance 1.92 ohms.

WHARF
 Location : Built 1909
 : Face of wharf is 700 feet
 : from right traverse of
 : Battery Harrison
 Date of transfer : Not transferred
 Cost : \$3138.02
 Paid for by : U. S. Engineer Dep't.
 Type of construction : Wooden
 Depth of water-datum : 4' Mean lower low water
 Mean range of tide : 7'
 Davits installed : No
 Type and capacity) : Stiff leg 1000 lbs.-
 of derrick) : winch from old shot-
 hoist
 Wharf used by : U.S. Engr. Dep't. and C.A.C.
 Condition : Good
 Remarks :

TRAMWAY
 Location : Wharf to engine house
 Date of transfer : Not transferred
 Cost : \$494.88
 Length : 700 feet
 Gauge : 3 ft.
 Steepest grade : 36%
 Equipment : One flat car
 Condition : Good
 Remarks :



*Supplied
 Oct. 31, 1930*

Form 3

Corrected to June 30, 1920.

WHARF

Location

311-1909
Face of wharf is 700 feet
from right traverse of
Battery Harrison

Date of transfer

Not transferred

Cost

\$3138.02

Paid for by

U. S. Engineer Dep't.

Type of construction

Wooden

Depth of water-datum

4' Mean lower low water

Mean range of tide

7'

Davits installed

No

Type and capacity
of derrick

Stiff leg 1000 lbs.-
winch from old shot-
hoist

Wharf used by

U.S. Engr. Dep't. and C.A.C.

Condition

Good

Remarks

TRAMWAY

Location

Wharf to engine house

Date of transfer

Not transferred

Cost

\$494.88

Length

700 feet

Gauge

3 ft.

Steepest grade

36%

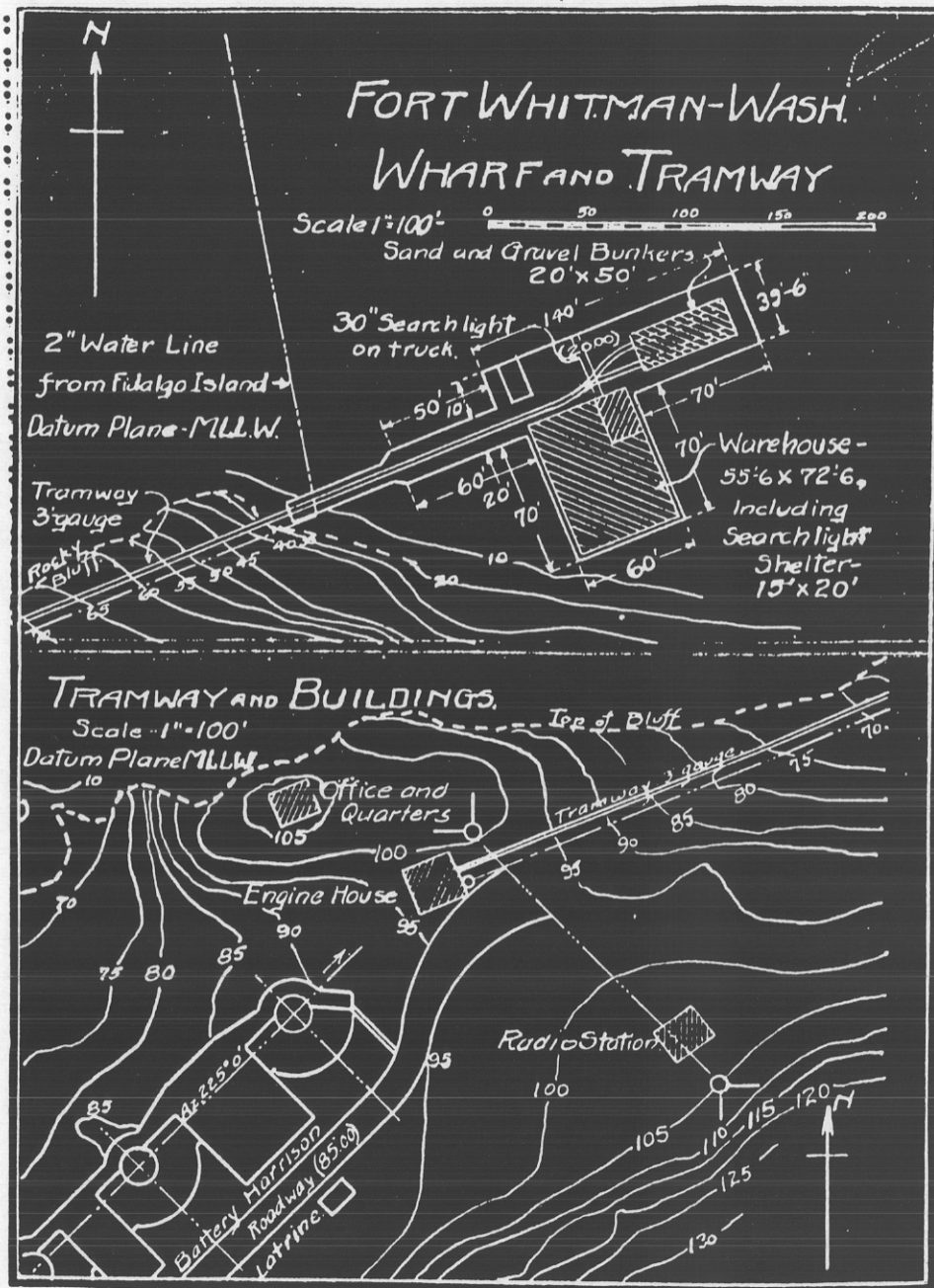
Equipment

One flat car

Condition

Good

Remarks



Sup. de
Oct. 31 - 1930

REPORT OF COMPLETED WORKS - EARLIEST NOTIFICATIONS.
(Wharf and Tramway)

Form 3 Corrected to October 31, 1930

WHARF

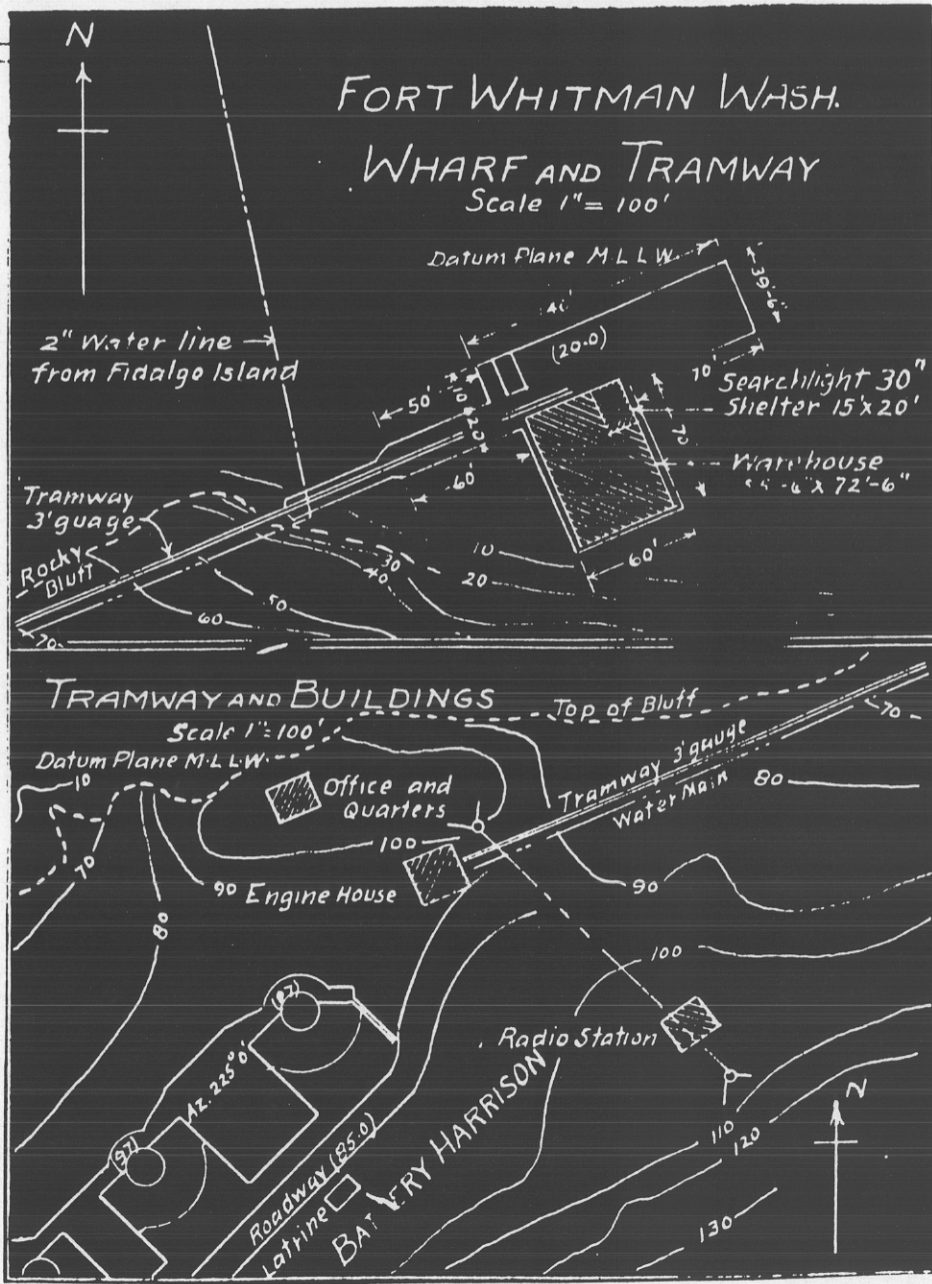
Location : Face of wharf is 700 feet from :
: right traverse of battery :
: Harrison :
Date of transfer : Not transferred :
Cost : \$3,138.02 :
Aid for by : U.S. Engineer Department :
Type of construction : Wooden :
Depth of water-datum : 4' Mean Lower Low Water :
Mean Range of Tide : 7' :
Leavits installed : No :
Type and capacity of derrick : None :
Wharf used by : U.S. Engr. Dept. and C. & C. :
Condition : Fair :
Remarks :

TRAMWAY

Location : Wharf to engine house :
Date of transfer : Not transferred :
Cost : \$494.88 :
Length : 700 feet. :
Gauge : 3 feet :
Steepest grade : 36% :
Equipment : One flat car :
Condition : Fair :

Remarks
Aug 31-1931 S/Lt. 680.22 Ft. Whitman
C. & E 660K (Puget Sound) 1109 (8-3-31) Airse &
Proposed transfer Wharf & Tramway to U.S. Dept -
(Authorized - Serial # 110 - Oct 8-1931)

HARBOR IMPROVEMENTS OF PUGET SOUND
WHARF AND TRAMWAY
FORT WHITMAN WASHINGTON.



REPORT OF COMPLETED WORKS SEACOAST FORTIFICATIONS.
(Wharf and Tramway)

HARBOR DEFENSES OF PUGET SOUND
WHARF AND TRAMWAY
FORT WHITMAN WASHINGTON.

Form 3 Corrected to October 31, 1930

WHARF
Location : Face of wharf is 700 feet from :
: right traverse of battery :
: Harrison :
Date of transfer : Not transferred :
Cost : \$3,138.02 :
Aid for by : U.S. Engineer Department :
Type of construction : Wooden :
Depth of water-datum : 4' Mean Lower Low Water :
Mean Range of Tide : 7' :
Davits installed : No :
Type and capacity of derrick : None :
Wharf used by : U.S. Engr. Dept. and C.A.C. :
Condition : Fair :
Remarks :

TRAMWAY
Location : Wharf to engine house :
Date of transfer : Not transferred :
Cost : \$494.88 :
Length : 700 feet. :
Gauge : 3 feet :
Steepest grade : 36% :
Equipment : One flat car :
Condition : Fair :

Remarks
Aug 31-1931 SRG. 680.22 Ft. Whitman
C of E 660K (Puget Sound) 1109 (8-3-31) Misc &
Proposed transfer Wharf & Tramway to R.M. Dept -
(Authorized - Serial # 110 - Oct 8-1931)

