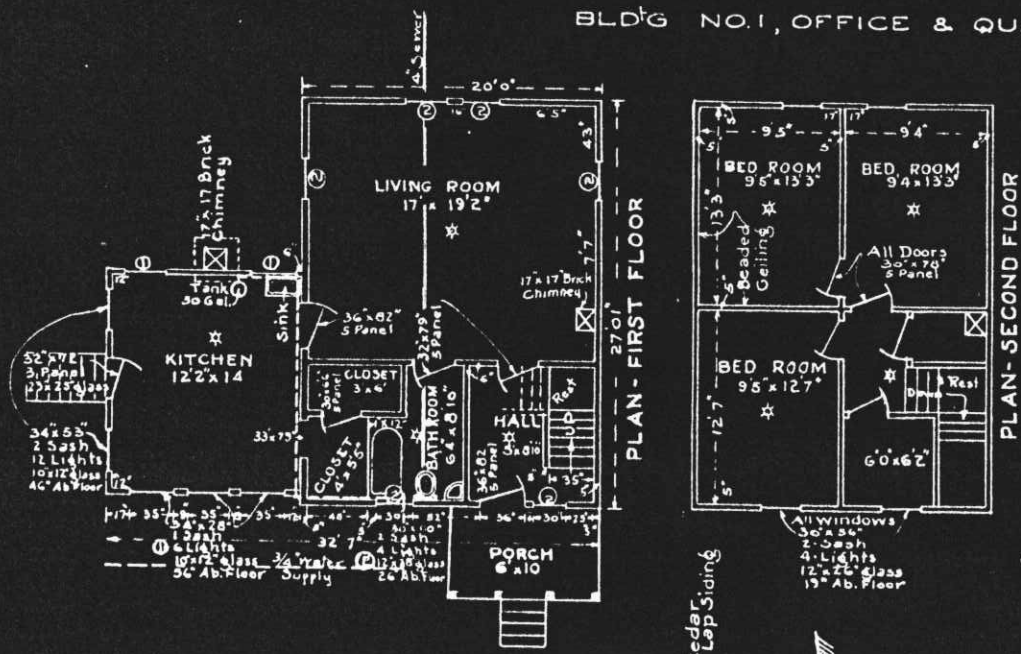
HISTORICAL RECORD, FORT WHITMAN, WASH,

BLDG NO. 1, OFFICE & QUARTERS,



REMARKS.

One story building, wood construction. Building rests on 6"x6" posts which in turn rest on 6"x12"x24" mud sills. Resting on the posts are 6"x6" stringers supporting 2"x12" floor joice, 1"x8" sub floor 1"x3" T. & G. Fir flooing. Studs rest on floor plates. Ceiling joice are 2"x10" resting on plates and second floor resting on joice All rooms are lined with 3" beaded ceiling. Brick chimney, main building rest on 2"x4" supports. The Porch and Leanto were constructed after the main building was erected. Size of all doors are as shown. No transoms. Size of all windows are as shown.

OFFICE OF THE QUARTERMASTER
H.D. OF P.S.
FORT WORDEN, WASH.
OFFICE & QUARTERS
SCALE: 1"-10'

SUBMITTED. APPROVED.

Major Q.M.C.

Drawn: R.J.Y. Jan. 26th 1940

WAR DEPARTMENT
Q.M.C. Form No. 117 (Old No. 173A)
Revised June 28, 1939

Post Plan No. .....

O.Q.M.G.: Plan No. ..... Building No. 2

Place Fort Whitman, Washington

Designation of building Wharf and Tramway Capacity -------

Total cost, $ 4254.00 Date completed 1909

Material: Walls (Wharf) Wood Foundation (Wharf) Timber on common pile

Roof (Wharf) Warehouse, shingles Floors (Wharf) Wood

Total floor area above basement, square feet of Warehouse 3837 (Wharf)

Size: Main building (Tramway) 700' of track 3' gauge 30 lb rail Basement Warehouse (Wharf)
(Wharf) 39.5' X 140' & 70' X 70' 55.5' X 72.5' -1 st

a None (How heated) Approach 100'

b " (Type of heat)

c " (Type of domestic hot water heater)

Height of first floor above ground -----

How lighted None

Water connections "

Sewer connections "

Gas connections "

COOKING RANGES INSTALLED (Give quantity and size)

Coal None
Gas "
Electric "
Oil "
Steam "

REFRIGERATORS INSTALLED (Give quantity and size)

Gas None
Electric "
Ice "

METERS INSTALLED (Give quantity and capacity)

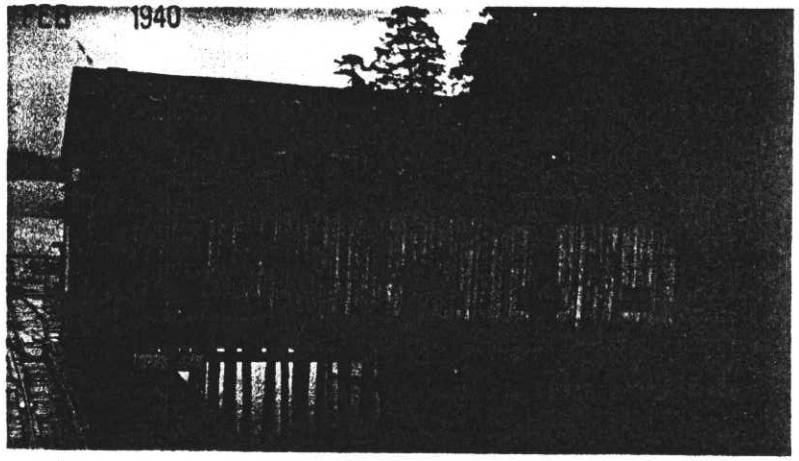
Gas None
Electric "
Oil "
Steam "
Water "

Approval of Secretary of War as required by A. R. 30-1435
(Give date and File Number)

ADDITIONS AND INSTALLATIONS

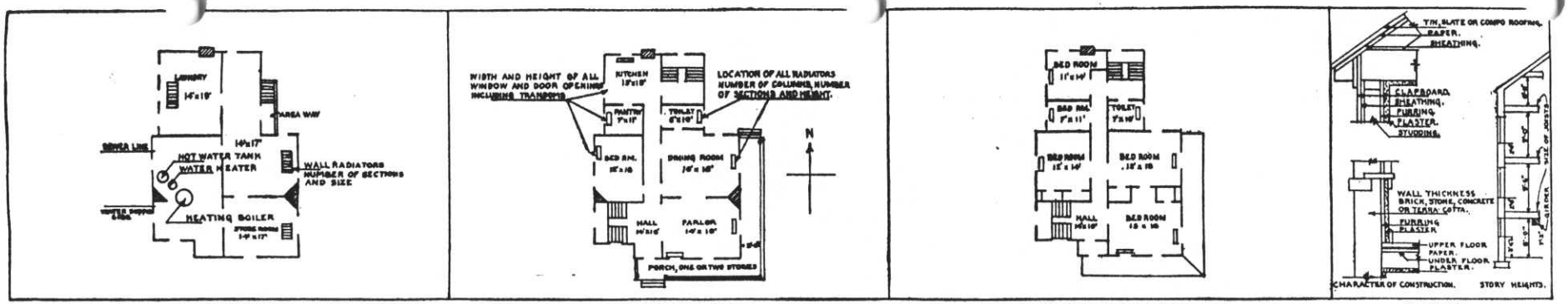
(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

DATE		COST
1930	(Wharf) Repairs by Engineers	$805.40



INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
"b" State whether steam, vapor, hot water, or hot air.
"c" State whether gas, coal, oil, or central heating plant.

See reverse side of form.



BASEMENT FIRST FLOOR SECOND FLOOR DETAIL

IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

REMARKS

Tramway operated by electric hoist, tramway and small flat car.
Description of electric hoist: Single friction drum furnished by Superior Iron Works of Superior, Wis. June 28, 1921 Cost $950.00. Motor: General Electric Co., Serial No.249923. Crane Motor type C.O. 1806-A, 650 R.P.M., Max.safe speed 2700 R.P.M., Amp.82, Volts 115.1/2 hour rating. Series wound 10 H.P. Model 90088. Controller: General Electric Co., No. 4034680.5-point reversing. Type R-28-V. Starting Resistance: General Electric Co., CR-3132. Total Resistance 1.92 ohms. Installed June 1922.

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights, etc.

U. S. GOVERNMENT PRINTING OFFICE 16—8068

REPAIRS TO WHARF, FORT WHITMAN, WN.

Funds alletted: $150.00.

Procurement authority: QM 2809 P15-1240 A0535-9.

Funds expended: $150.00.

Date of completion of repairs: February 2, 1939.

Method of repairs: Purchase and hire.

Repairs accomplished:

a. Repair underpinning of runway to wharf.

b. Replace missing and/or damaged planking on runway to wharf.

Breakdown of expenditures:

a. Labor - $139.00.

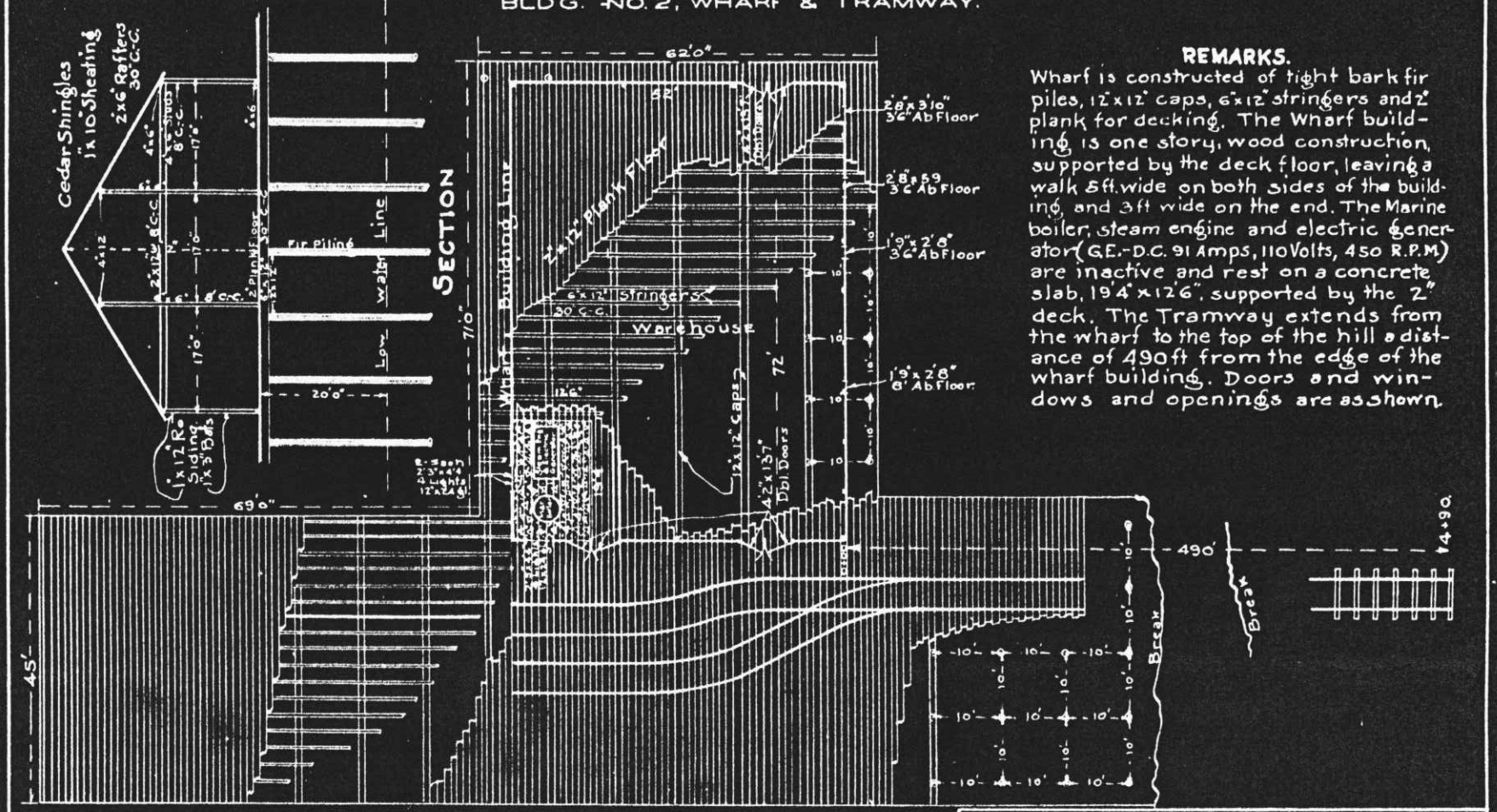
b. Material (new) - $11.00.

c. Additional material (salvage) was used in the estimated amount of $120.00.

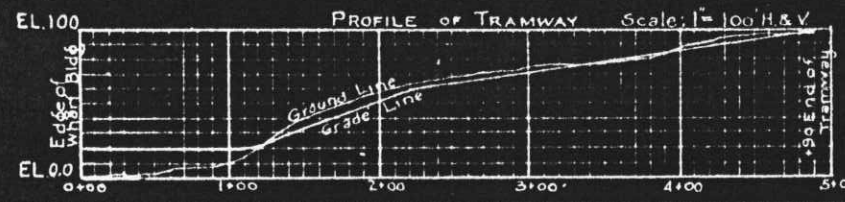
JOSEPH E. SCHILLO
Captain, Q. M. C.
Quartermaster

HISTORICAL RECORD, FORT WHITMAN, WASH.

BLD'G. NO. 2, WHARF & TRAMWAY.



PLAN: WHARF & WAREHOUSE & TRAMWAY



REMARKS.

Wharf is constructed of tight bark fir piles, 12"x12" caps, 6"x12" stringers and 2" plank for decking. The Wharf building is one story, wood construction, supported by the deck floor, leaving a walk 5ft. wide on both sides of the building, and 3ft wide on the end. The Marine boiler, steam engine and electric generator (G.E.-D.C. 91 Amps, 110 Volts, 450 R.P.M) are inactive and rest on a concrete slab, 19'4"x12'6", supported by the 2" deck. The Tramway extends from the wharf to the top of the hill a distance of 490ft from the edge of the wharf building. Doors and windows and openings are as shown.

OFFICE OF THE QUARTERMASTER
H.D. OF P.S.
FORT WORDEN, WASH.
WHARF & TRMWAY
SCALE: 1"= 20'

SUBMITTED — APPROVED

Major Q.M.C.

Drawn: R.J.Y. — Jan. 27th 1940.

WAR DEPARTMENT
Q.M.C. Form No. 117 (Old No. 173A)
Revised June 28, 1939

Post Plan No. .....

O.Q.M.G.: Plan No. ..... Building No. 3

Place Fort Whitman, Washington
Designation of building Reservoir Capacity 50,000 gall
Total cost, $..... Date completed .....
Material: Walls Concrete Foundation .....
Roof ..... Floors .....
Total floor area above basement, square feet .....
Size: Main building ..... Wings ..... Basement .....
a ..... (How heated) Height of first floor above ground .....
b ..... (Type of heat) How lighted .....
Water connections .....
c ..... (Type of domestic hot water heater) Sewer connections .....
Gas connections .....

COOKING RANGES INSTALLED (Give quantity and size)
Coal .....
Gas .....
Electric .....
Oil .....
Steam .....

REFRIGERATORS INSTALLED (Give quantity and size)
Gas .....
Electric .....
Ice .....

METERS INSTALLED (Give quantity and capacity)
Gas .....
Electric .....
Oil .....
Steam .....
Water .....

Approval of Secretary of War as required by A. R. 30–1435
(Give date and File Number)
.....

ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

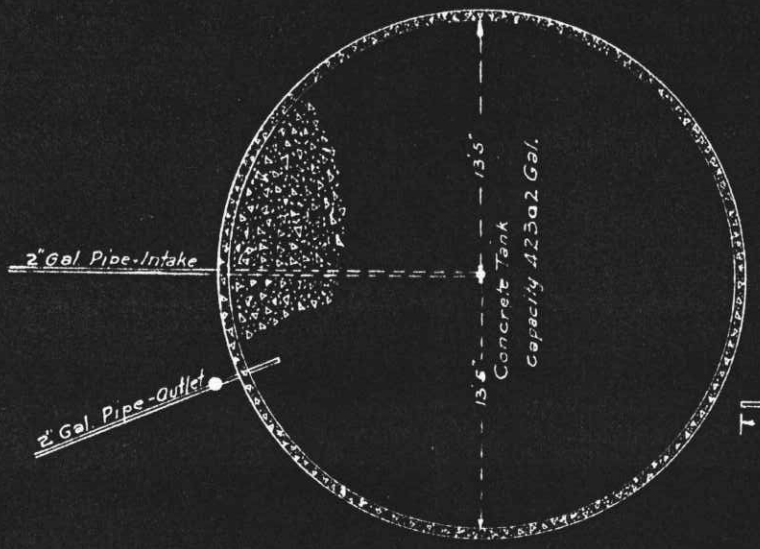
DATE		COST	DATE		COST

INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
"b" State whether steam, vapor, hot water, or hot air.
"c" State whether gas, coal, oil, or central heating plant.

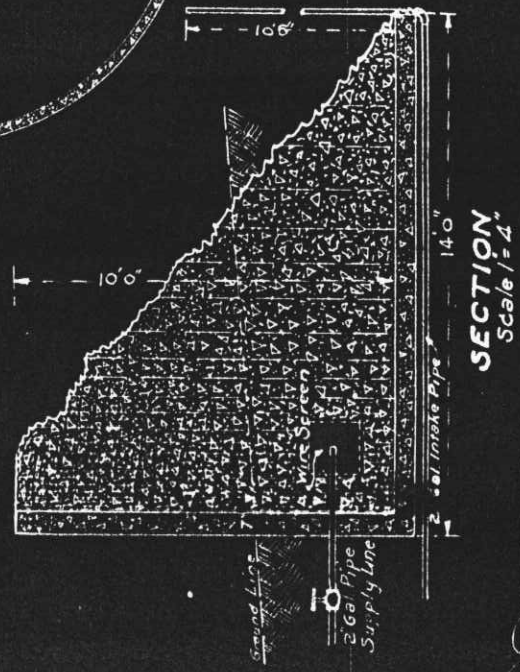
See reverse side of form.

HISTORICAL RECORD, FORT WHITMAN, WASH.

BLD'G. NO. 3 RESERVOIR.



PLAN
Scale 1"=8'



SECTION
Scale 1"=4'

REMARKS.

Circular Concrete Water Tank Constructed of concrete, reinforced, 28ft. outside diameter 26' 10" inside diameter. Walls and floor 7" thick. Ten feet in depth. Gravity 2" supply line, discharging in center of tank 6" above water line. Water overflows rim of tank. A 2" Gal. Iron pipe 18" from floor, covered with screen supplies the Quarters. No covering.

OFFICE OF THE QUARTERMASTER.
H.D. OF P.S.
FORT WORDEN, WASH.
RESERVOIR

SCALE AS SHOWN

SUBMITTED _____ APPROVED _____

Major Q.M.C.

Drawn: R.J.Y

Jan 24th 1940.

August 3,1931

SUBJECT: Transfer of Engineer Structures to Quartermaster.

TO: Commanding General, Ninth Corps Area,
Presidio of San Francisco, Calif.

1. It is recommended that the following Engineer Structures located at Fort Whitman be transferred to the Quartermaster Corps:

Office and Quarters, Condition poor, 2 story wood, 18'x34' 6 rooms & bath.

Wharf. Condition fair. Main wharf 40'x140' with L 70'x70' 100' approach.
Warehouse on wharf 55'x73'.

Tramway 700' of track, 3' gauge. (Operated with an electric hoist, cable and flat car.)

2. These structures have no present or future use to the Engineer department. The office and quarters building is at present occupied by the caretaking detachment. The wharf and tramway are used for unloading and handling supplies.

F.W. Phisterer,
Colonel, 14th C.A.,
Commanding.

1st. Ind.

660.2 PS (Engr)

Hq. 9th CORPS AREA, Presidio of San Francisco, Calif. August 17, 1931.
To: The Adjutant General, Washington, D.C.

1. Records at this Headquarters indicate that all of the structures referred to in basic letter were built by the Engineer Department in connection with fortification constructionwork at Fort Whitman, payment being made from funds for battery construction. The office and quarters building was erected during 1910, original cost $1052.00; the wharf and tramway were built during 1909, original cost $3759.00 and $475.00 respectively. Repairs amounting to $805.40 were made to the wharf during 1930. All of the structures have been reported as in "fair" condition. All were transferred to the jurisdiction of the Harbor Defense Commander by the District Engineer, Seattle, Wash., with the transfer of control of fortification maintenance work on March 1, 1930.

H.L. Walthall
Lt. Colonel, A.G.D.

7th Ind.

AG-680.22 Ft. Whitman
(8-3-31) Misc. D.

War Department, A.G.C., October 8, 1931. - To The Commanding General, Ninth Corps Area.

The transfer of the office and quarters, wharf and tranway track at Fort Whitman Washington, to the Quartermaster Corps, is approved subject to the understanding that the Corps Area Engineer or his representative shall at all times have free and unrestricted use of the wharf, the tramway, and accessory equipment whenever required in connection with the prosecution of fortification, maintenance, and rehabilitation work at that place.

By order of the Secretary of War:

John B. Richardson
Adjutant General.

10th Ind.

602.3

Hq. H.D. of P.S., Fort Worden, Wash. Nov. 12, 1931 To the Commanding General 9th C.A. Dist. Presidio of S.F. Cal.

1. In compliance with par. 2, 8th Indorsement these structures were transferred to the custody of the Quartermaster Corps on Nov. 6, 1931.

F.W. Phisterer,
Colonel, 14th C.A.
Commanding.

WAR DEPARTMENT
OFFICE OF THE QUARTERMASTER GENERAL

October 12 1931

TO: CONSTRUCTION DIVISION
R. & U BRANCH)
N. C. BRANCH) in turn
HISTORICAL RECORDS UNIT)

For:

1. ____Necessary action.
2. ____Necessary action and direct reply.
3. ____Preparation of reply for signature of QMG.
4. ____Remark and recommendation. (In turn)
5. X Notation and filing.
6. ____Information. (In turn)
7. ____Please see me.
8. ____Keep me advised.
9. ____

File 680.2

Transmitting copy of 7th ind., A.G.O. to C.G., 9th C.A., Oct. 8, 1931, approving the transfer of office and quarters, wharf and tramway track at Fort Whitman, Washington, from the Engineer Corps to the Quartermaster Corps.

BAR

VALLIANT

BAR

NAME O

WAR DEPARTMENT
OFFICE OF THE QUARTERMASTER GENERAL

December 15 1931

TO: CONSTRUCTION DIVISION - N. C. BRANCH
HISTORICAL RECORDS UNIT

For:

1. X Necessary action.
2. ___ Necessary action and direct reply.
3. ___ Preparation of reply for signature of QMG.
4. ___ Remark and recommendation. (In turn)
5. ___ Notation and filing.
6. ___ Information. (In turn)
7. ___ Please see me.
8. ___ Keep me advised.
9. ___

Transmitting papers in connection with the transfer of Engineer structures at Fort Whitman, Washington to the Quartermaster Corps.

VALLIANT.

BAR

Incl.:
Letter 8-3-31
with 14 inds.

Any statement n

32. FILTRATION PLANT

	MIXING CHAMBER	SEDIMENTATION BASINS	FILTERS	CLEAR WATER WELL
Number of units				
Dimensions				
Material				
Capacity—gal.				
Date constructed				
Q. M. G. Plan No.				
Cost				

Description of backwash equipment: None

Maximum capacity of plant (M. G. D.): --

Describe operation of plant and flow of water through plant from intake to outlet: --

33. TREATED WATER STORAGE

	ELEVATED			GROUND		
Building No.						
Dimensions						
Material						
Capacity—gal.						
Elevation of high water						
Elevation of grade						
Height of tower						
Date constructed						
Q. M. G. Plan No.						
Cost						

34. IMPOUNDING RESERVOIRS OR DAMS

Concrete reservoir
50,000 gal. capacity

35. WATER MAINS

Diameter	2"						
Material	G.I.						
Length	Approx. 14000'	?					
Class							
Joint material							
Depth of cover							
Date installed	Unknown						
Cost	NoRecord						

Give title and drawing number of layout plan and where available:

36. AUTOMATIC SPRINKLER SYSTEM FOR FIRE PROTECTION

Installed in Bldg. No.						
Type						
Number dry pipe valves						
Number alarm valves						
Number sprinkler heads						
Booster pump—g. p. m.						
Storage tank—capacity						
Date installed						
O. Q. M. G. Plan No.						
Cost						

37. SPRINKLER OR OTHER IRRIGATION SYSTEMS

None

38. MISCELLANEOUS REMARKS (cols. 32–37): --

39. THIS SPACE FOR USE OF O. Q. M. G.

CHECKED	DATE
O.K. Geiger & Engle	July 9, 1938.

Forms 33 and 107
WAR DEPARTMENT
(Revised Oct. 23, 1937)

WATER SUPPLY SYSTEM AND WATER PUMPING PLANTS

AT Fort Whitman, Washington — CARETAKER POST — DATE May 20, 1938

1. Source of supply: Springs
2. Sanitary conditions surrounding source of supply: Good
3. Consumption—gallons: a. Maximum day: Not Metered; b. Minimum day: " "; c. Daily average for year: Not Metered
4. Population supplied: a. Maximum month: 2; b. Minimum month: 2; c. Daily average for year: 2
5. Animals supplied—daily average: 0
6. Maximum gallons per day available: Unknown
7. Has the capacity of the supply been fully developed? Unknown
8. Number and size of connections (city supply): None
9. State size, type, make, and capacity of meters: None
10. Number of automatic flush valves: 0
11. Are pressures satisfactory to operate flush valves? None
12. Pressures: a. Maximum: Unknown near Bldg. No.; b. Minimum: " near Bldg. No.; c. Normal for post: "; d. At highest fixture: " in Bldg. No.

13. Water temperature:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum day	Unknown											
Minimum day	Unknown											
Monthly average	Unknown											

14. Average cost, water delivered (1,000 gal.): .75

15. Description of source of supply, sanitary conditions, and how water distribution system is operated:

From springs on Swinomish Indian Reservation, Fidago Island, Washington.

Water distributed through 2" G.I. main from springs on Fidago Island to Wharf on Goat Island, wharf to Engineer house; engineer house to reservoir, reservoir to mains. All gravity system. Water not treated.

16. Description of pump operation:

No Pumps

17. WELL DATA

Well No.—	1	2	3	4	5
Total depth—feet					
Size of casing and material					
Length of screen and material					
Size of screen openings					
Standing water level—feet					
Capacity—g. p. m.					
Drawdown—feet					
When drilled					
Cost					
How pumped					
Where is log available?					

18. DEEP-WELL PUMPS

Name of manufacturer					
Type					
Capacity—g. p. m.					
Head—feet					
Driving unit					
H. P. of driver					

19. CENTRIFUGAL AND DIRECT-ACTING PUMPS

Pump No.—	1	2	3	4	5	6	7	8	9
Where installed—Bldg. No.									
Name of manufacturer									
Capacity—g. p. m.									
Design head—feet									
Speed—r. p. m.									
Driving unit									
H. P. of driver									
Electric current: Voltage									
Electric current: Phase									
Electric current: Cycles									
Direct or belt driven									
Suction lift or head—feet									
Discharge head—feet									
Automatic or manual start									
Unit Serial No.									
Date installed									
Cost									

20. Remarks on pumps covered by 18 or 19:

At Fort Whitman, Washington. Date June 1, 1922.

Source of water supply Springs on Fidalgo Island
Sanitary condition surrounding source of supply Good
Quality of water Excellent
Has the capacity of the supply been fully developed? Yes
Describe distribution system 1140 feet 2-inch galvanized pipe

Source of power Gravity

FILTRATION

	SEDIMENTATION BASIN	FILTERS (RAPID OR SLOW SAND)	CLEAR-WATER BASIN
Number			
Dimensions	None		
Material			
Drawing Nos.			
Capacity			
Cost			
Date installed			
Condition			

PURIFICATION OR STERILIZATION TREATMENT

CHLORINATORS

Number	Capacity	Type	Cost	Date installed	Condition
		None			

HYPOCHLORITE OF LIME TANKS

Number	Capacity	Method: Feeding	Method: Mixing	Material	Date installed	Condition
			None			

WELLS

KIND	NO.	DEPTH	DIAM.	MANNER PUMPED	CAPACITY, G. P. M.	COST	DATE INSTALLED	CONDITION
				None				

Arthur D. Hughes
Quartermaster

WATER METERS

NO.	MAKE	SIZE	CONDITION
	None		

WATER MAINS

KIND	DIAM.	LENGTH	SOURCE SUPPLY	CAPACITY, G. P. M.	COST	DATE INSTALLED	CONDITION
G. I. Pipe	2"	1140'				1909	Good
		22					

YARD HYDRANTS

NO.	MAKE	DIAMETER	CONDITION
4		3/4"	Good

FIRE HYDRANTS

NO.	MAKE	NOZZLES, Threads per in. Steam	NOZZLES, Threads per in. Hose	CONDITION
	NONE			

TANKS, RESERVOIRS, CISTERNS, ETC.

KIND	NO.	DIMENSIONS	SOURCE SUPPLY	CAPACITY, GALLS.	TRESTLE Height	TRESTLE Material	ELEV. HIGH WATER Pump	ELEV. HIGH WATER Flagpole	DATE INSTALLED	CONDITION

PRESSURE

AT HIGHEST FIRE HYDRANT	AT LOWEST FIRE HYDRANT

HARBOR DEFENSES OF PUGET SOUND,
At FORT WHITMAN, WASHINGTON

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

CARETAKER POST

Date June 30, 1939

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED		RAILROAD OWNED		TOTAL TURNOUTS	TOTAL MILES TRACK
					MILES TRACK	TURNOUTS	MILES TRACK	TURNOUTS		
None										None

WHARVES

POST BLDG. No.	MATERIALS: SUBSTRUCTURE	MATERIALS: DECK	MATERIALS: SUPERSTRUCTURE	MATERIALS: BACKFILL	MATERIALS: TREATED OR UNTREATED	DIMENSIONS: WHARF	DIMENSIONS: APPROACH	ELEVATION OF DECK: H. W.	ELEVATION OF DECK: L. W.	DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE: KIND	REPAIRS MADE: DATE
2	Wood	Wood	Frame	None	—	140' x 39'6"	100' x 10'	6'10"	17'		None - Except for isolation	Minor Repairs ($140.00)	1-16-39

TARGET RANGES

LOCATION None AREA GOVERNMENT OWNED LEASED

CONDITION	TARGETS INSTALLED: No.	TARGETS INSTALLED: Type	RANGE YARDS	TARGETS: WIDTH	TARGETS: INTERVAL	BUTTS: WIDTH	BUTTS: LENGTH	TRENCH: WIDTH	TRENCH: HOW DRAINED
None									

FACILITIES

Water connections Yes
Sewer connections Yes
Telephone None
Electric lights None

BOILER AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

WATER PUMPING PLANTS

	None	

SEWAGE PUMPING PLANTS

	None	

HEATING

IN BLDG. No.	
1	Heated from kitchen range

FENCES

RESERVATION: CONDITION	RESERVATION: KIND	RESERVATION: LENGTH	INTERIOR: CONDITION	INTERIOR: KIND	INTERIOR: LENGTH
None			None		

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30–1770.

Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Harbor Defenses of Puget Sound, Fort Whitman, Wash. — CARETAKER POST — Date June 30, 1940

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED: MILES TRACK	GOVERNMENT OWNED: TURNOUTS	RAILROAD OWNED: MILES TRACK	RAILROAD OWNED: TURNOUTS	TOTAL TURNOUTS	TOTAL MILES TRACK
None										None

WHARVES

POST BLDG. No.	MATERIALS: Substructure	Deck	Superstructure	Backfill	Treated or Untreated	DIMENSIONS: Wharf	Approach	ELEVATION OF DECK: H. W.	L. W.	DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE: Kind	Date
2	Wood	Wood	Frame	None	--	140'	6'10"	17'			Condition of wharf precludes economical repair.	None	

TARGET RANGES

LOCATION None — AREA — GOVERNMENT OWNED — LEASED

CONDITION	TARGETS INSTALLED: No.	TARGETS INSTALLED: Type	Range Yards	TARGETS: Width	TARGETS: Interval	BUTTS: Width	BUTTS: Length	TRENCH: Width	TRENCH: How Drained
None									

FACILITIES
- Water connections: Yes
- Sewer connections: Yes
- Telephone: None
- Electric lights: None

BOILERS AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
		None

WATER PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

SEWAGE PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

HEATING

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
1		Heated from kitchen range.

FENCES

RESERVATION: Condition	RESERVATION: Kind	RESERVATION: Length	INTERIOR: Condition	INTERIOR: Kind	INTERIOR: Length
	None			None	

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30-1770.

Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

HARBOR DEFENSES OF PUGET SOUND

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Fort Whitman, Wash. CARETAKER POST *Date* June 30, 1941.

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED: MILES TRACK	GOVERNMENT OWNED: TURNOUTS	RAILROAD OWNED: MILES TRACK	RAILROAD OWNED: TURNOUTS	TOTAL TURNOUTS	TOTAL MILES TRACK
None										None

WHARVES

POST BLDG. No.	MATERIALS: Substructure	Deck	Superstructure	Backfill	Treated or Untreated	DIMENSIONS: Wharf	Approach	ELEVATION OF DECK: H. W.	L. W.	DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE: Kind	Date
2	Wood	Wood	Frame	None	- - -	140'	6'10"	17'			None - - except for isolation	None	

TARGET RANGES

LOCATION None AREA GOVERNMENT OWNED LEASED

CONDITION	TARGETS INSTALLED: No.	TARGETS INSTALLED: Type	Range Yards	TARGETS: Width	TARGETS: Interval	BUTTS: Width	BUTTS: Length	TRENCH: Width	TRENCH: How Drained
None									

FACILITIES

Water connections Yes
Sewer connections Yes
Telephone None
Electric lights None

BOILER AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
		None

WATER PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

SEWAGE PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

HEATING

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
1		Heated from Kitchen Range

FENCES

RESERVATION: Condition	RESERVATION: Kind	RESERVATION: Length	INTERIOR: Condition	INTERIOR: Kind	INTERIOR: Length
	None			None	

Joseph E. Schillo

JOSEPH E. SCHILLO,
Lt. Col. Q.M.Corps,
Quartermaster.

JUL 17 1941

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30–1770.

Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

9—9000

WAR DEPARTMENT
Form No. 111 (Old Form 515)
Revised October 23, 1937

CARETAKER POST

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Harbor Defenses of Puget Sound

Date June 30, 1939

Reservation—Area 129.40 acres.

Name Fort Whitman, Washington Location Goat Island, Skagit County, Washington Established 1909 Government-owned 129.40 acres. Leased None acres.

Character of post Coast Artillery Telegraph station LaConner, Washington Freight station LaConner, Washington

Capacity: Off. 0; W. off. and ft. cls. 0; N. C. O. 0; Enl. men 2; Animals 0; Motor veh. 0; Hosp. beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stove	HOT-WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	CAPACITY: Act. Occup.	REMARKS ON CONDITION OF BUILDINGS
1	Office & Qtrs							1	1										1		1	1			1	1	12		2	1 Fmly:2 EM	Usable
2	Wharf & Tramway																									2				1 Lch :1	Usable
3	Reservoir																													50 M G:50 M	Usable
	Fort Whitman: 3 Structures located there pertain to the U.S. Engineers. (1st Ind. 9-9-39) 600.911 - 9th C.A.																														

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

SEE OTHER SIDE

U. S. GOVERNMENT PRINTING OFFICE 3—9035

WAR DEPARTMENT
C. Form No. 111 (Old Form 515)
Revised Jan. 23, 1926

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Date June 30, 1940

Name Fort Whitman, Wash. Location Goat Island, Skagit County Established 1909 Government owned 129.40 acres. Leased None acres

Reservation—Area 129.40 acres

Character of post Coast Artillery Telegraph station LaConner, Wash. Freight station LaConner, Wash.

Capacity: Officers 0; warrant officers and field clerks 0; N. C. O. 0; enlisted men 2; animals 0; hospital beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stoves	HOT WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Electric Lights	U.S. Furniture	Wall Lockers	Refrigerators	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	CAPACITY: Present Occupancy	REMARKS ON CONDITION OF BUILDINGS
1 ✓	Office & Qtrs.							1	1														1		1	1		1		1	12		2	1 Fam. 2	EM :Habitable
2 ✓	Wharf & Tramway																													2				1 Lch: 1	Poor
3 ✓	Reservoir																																	50,000 gal.	"

REPRODUCED AT THE NATIONAL ARCHIVES

JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

SEE OTHER SIDE

GOVERNMENT PRINTING OFFICE 3—9035

WAR DEPARTMENT
Q. M. C. Form No. 111 (Old Form 515)
Revised July 10, 1939

CARETAKER POST

HARBOR DEFENSES OF PUGET SOUND

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

D[illegible] June 30, 1941

Reservation [illegible]a 129.4 acres.

Name Fort Whitman, Wash. Location Goat Island, Skagit County Established 1909 Government-owned 129.4 acres. Leased - - acres.

Character of post Coast Artillery Telegraph station La Conner, Wash. Freight station La Conner, Wash.

Capacity: Officers 0; N. C. O. 1; Enl. men 1; Animals 0; Motor veh. 0; Hosp. beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stove	HOT-WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	Designed Capacity	Present Occupancy	REMARKS ON CONDITION OF BUILDINGS
	HOUSING:																															
	A- Enlisted Men																															
	(1) Family Type (N.C.O.)																															
	(a) Permanent																															
1	Office & Quarters																												1P	2	Good	
	H-																															
	(2) Unheated																															
	(a) Permanent																															
2	Wharf & Tramway																												1 Lch.1		Fair	
3	Reservoir																												50,000 gal		Fair	

Jos. E. Schillo
JOSEPH E. SCHILLO,
Lt. Col. Q.M.Corps,
Quartermaster.

SEE OTHER SIDE

U. S. GOVERNMENT PRINTING OFFICE 10—8780

Encl 4

WAR DEPARTMENT
Q. M. C. Form 104 (Revised Nov. 23, 1932) (Old No. 801 L)
(Revised July 27, 1933) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 39

C. A. ..... (C. A.) (Dept.) Station ..Fort Whitman, Washington

Harbor Defenses of Puget Sound

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19 39 Present Fiscal Year
1	Office & Qtrs		$	$	$ 1052 00	$	$ 2000 00
2	Wharf & Tramway	Minor Reps Dock & Piling $140.	140 00	162 50	4254 00		6000 00
3	Reservoir				Unknown		10000 00
	Water Mains	Repairs & Replacing $287.	287 77	287 77	"		300 00
	Elect. T&D System				"		300 00
Total			427 77	450 27	5306 00		18600 00

3—8701

WAR DEPARTMENT
Q. M. C. Form 104—(Revised Nov. 22, 1926) (Old No. 601 L)
(Revised July 27, 1931) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 40

40

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19..... Present Fiscal Year
1	Office & Stre.		$	$	$ 1052 00	$	$ 2000 00
2	Wharf & Tramway			162 50	4254 00		6000 00
3	Reservoir				Unknown		10000 00
	Water Mains			287 77	"		300 00
	Elec. T&D System				"		300 00
Total				450 27	5306 00		18600 00

8—8701

C.A. ..... (C. A.) (Dept.) Station ..... Harbor Defenses of Puget Sound, Ft. Whitman, Wash.

WAR DEPARTMENT
Q. M. C. Form 104—(Revised Nov. 22, 1926) (Old No. 301 L)
(Revised July 27, 1931) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 41

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During this Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, Not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but Not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19 41 Present Fiscal Year
1	Office & Qtrs.		$	$	$ 1062 00	$	$ 2000 00
2	Wharf & Tramway			162 50	4254 20		6000 00
3	Reservoir				Unknown		10,000 00
	Water Mains			287 77	Unknown		300 00
	Elect. T&D System				Unknown		300 00
	Total		650 27	5504 00			18,600 00

HARBOR DEFENSES OF PUGET SOUND

9th (C. A.) (Dept.) Station Fort Whitman, Washington

8-8701

WAR DEPARTMENT
.C. Form No. 117 (Old No.)
Revised June 28, 1939

Post Plan No. .....

O.Q.M.G.: Plan No. ..... Building No. 1

Place Fort Whitman, Washington
Designation of building Office and Quarters Capacity
Total cost, $ 1052.00 Date completed 1910
Material: Walls Wood Foundation Wood
Roof Shingles Floors Wood
Total floor area above basement, square feet 800
Size: Main building 20'6" x 24'6" Wings None Basement None
a Stoves (How heated)
b (Type of heat)
c Wood (Type of domestic hot water heater)

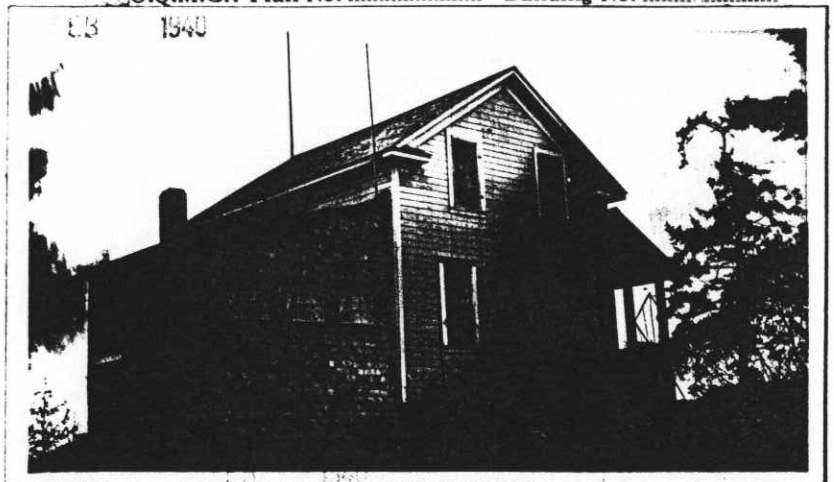
Height of first floor above ground 3 ft.
How lighted Kerosene
Water connections Yes
Sewer connections Yes
Gas connections No

COOKING RANGES INSTALLED (Give quantity and size)
Coal One
Gas None
Electric "
Oil "
Steam "

REFRIGERATORS INSTALLED (Give quantity and size)
Gas
Electric
Ice

METERS INSTALLED (Give quantity and capacity)
Gas None
Electric "
Oil "
Steam "
Water "

Approval of Secretary of War as required by A. R. 30–1435
(Give date and File Number)



ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

DATE		COST	DATE		COST

WAR DEPARTMENT
Q. M. C. Form 104—(Revised Nov. 22, 1926) (Old No. 501 L)
(Revised July 27, 1931) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 41

HARBOR DEFENSES OF PUGET SOUND

9th (C. A.) (Dept.) Station Fort Whitman, Washington

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19 41, Present Fiscal Year
			$	$	$ 1052 00	$	$ 2000 00
1	Office & Qtrs.			162 50	4254 10		6000 00
2	Wharf & Tramway				Unknown		10,000 00
3	Reservoir			287 77	Unknown		300 00
	Water Mains				Unknown		300 00
	Elect. T&D System						
	Total			450 27	5306 10		18,600 00

3—8701

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, Not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19....., Present Fiscal Year
			$	$	$	$	$
Total				450 27	5306 10	✓	18,600 00

Approved:

James H. Cunningham

JAMES H. CUNNINGHAM
Brigadier General U.S.A. *Commanding General.*
Commanding Officer.

(Signature) Joseph E. Schillo

JOSEPH E. SCHILLO
Lt. Col. Q.M. Corps, *Quartermaster.*

INSTRUCTIONS

THIS REPORT will be made out annually BY ALL POST, CAMP, OR STATION QUARTERMASTERS in triplicate, two copies to be forwarded to the Commanding General of the Corps Area, who will forward the original to the Office of the Quartermaster General. This report WILL BE REQUIRED for ALL POSTS, CAMPS, OR STATIONS, and will be forwarded as soon as possible after the close of the fiscal year. It will be noted that independent stations will forward their reports through Corps Areas, as it is desired that the Commanding General of the Corps Area have a copy of this information for all stations geographically located in his area.

UNDER COLUMNS 1 AND 2 the building number and designation will correspond to the numbers and designations shown in the historical record on file in the Office of the Quartermaster General. Local numbers or designations in conflict with this should not be used.

THE INFORMATION DESIRED IN COLUMN 3 should be brief, but at the same time enable the Quartermaster General's Office to determine within a reasonable degree how the annual repair funds have been expended under the various trade classifications. For example, suppose that on a barrack building during the fiscal year it is found necessary to paint the exterior woodwork, renew a part of the roof, replaster the day room and renew some of the porch flooring, the cost of each of these various repair jobs exceeding $100. The entry in column 3 would then appear as follows: Exterior painting $348, roofing $230, plastering $107, porch flooring $401. Under the classification to be used in this column the following headings are submitted as representative important repair items: Roofing, exterior painting, foundations, porches, plastering, glazing, heating, electric lighting, interior painting, sheet metal work, skylights, ventilation, etc.

THE DATA IN COLUMN 4 should be secured by totaling the copies of work orders that have been placed in the building file under each individual building, in accordance with the procedure outlined in the instructions on the preparation of QMC Form 106. The information in this column covers repair expenditures for one fiscal year, the current fiscal year embraced by this report.

COLUMN 5 represents the total cost of repairs from the time that the building was originally constructed and turned over to the Quartermaster until the close of the present current fiscal year. If records have been properly maintained, it will be merely necessary to add the current year's expenditures for repairs to the total cost of repairs as recorded on the last fiscal year QMC 104.

The purpose of the information to be submitted in columns 4 and 5 is to have information available at a glance to show the Quartermaster General and higher authority the actual cost of annual repairs in relation to the total cost of repairs from the time the building was originally constructed to date, and, with these figures at hand, to make comparisons with the actual cost of construction and the probable cost of replacing the building should questions pertaining to the use or alteration of any specific building arise; also to tabulate detailed information for Congress in order to show, by actual examples, funds that are ordinarily required to properly keep buildings and utilities in a first-class condition.

INFORMATION IN COLUMNS 6 AND 7 is similar to that in columns 4 and 5, with the exception that while columns 4 and 5 show only repair expenditures, columns 6 and 7 will show costs of original construction, which will include alterations and additions.

UNDER COLUMN 8 it is desired to have a figure which will represent the cost of replacing, at the close of the current fiscal year, each building structure and utility at all the stations in the Army. This figure can be arrived at through estimates prepared by the technical personnel on duty, the officers themselves, or by the help and assistance of local contractors. IT IS REQUESTED THAT SPECIAL EFFORT BE MADE TO HAVE THE FIGURE IN THIS COLUMN REPRESENT A TRUE REPLACEMENT VALUE, NOT A FICTITIOUS ONE.

In making this report it is desired that the grouping of projects follow those pertaining to maintenance, alteration and repair of buildings and utilities as is listed annually in the instructions on the preparation of QMC Form 95. Under Officers' Quarters permanent and temporary, there should be a further division to show: 1. Individual and separate Officers' Quarters, permanent; 2. Individual and separate Officers' Quarters, temporary; 3. Apartments for officers, permanent; 4. Apartments for officers, temporary; 5. Bachelor Officers' Quarters, permanent; 6. Bachelor Officers' quarters, temporary.

U. S. GOVERNMENT PRINTING OFFICE 3—8701

Q. M. C. Form 104—(Revised Nov. 22, 1929) (Old No. 501 L)
WAR DEPARTMENT
(Revised July 27, 1931) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 40

Harbor Defenses of Puget Sound,
Ft. Whitman, Wash.
C.A. ——— (C. A.) (Dept.) Station ———

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19 40, Present Fiscal Year
1	Office & Barracks.		$	$ 162 50	$ 4254 00	$	$ 2000 00
2	Wharf & Tramway				Unknown		6000 00
3	Reservoir			287 77	"		10000 00
	Water mains				"		300 00
	Elec. T&D System						300 00
Total				450 27	5306 00		18600 00

3—8701

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, Not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 1940, Present Fiscal Year
			$	$	$	$	$
Total				450 27	5306 00		18600 00 ✓

Approved:

James H Cunningham
JAMES H. CUNNINGHAM ~~Commanding General.~~ Commanding Officer.
COLONEL, 14TH C. A.,
COMMANDING.

(Signature) Joseph E. Schillo
JOSEPH E. SCHILLO Quartermaster.
Major, Q. M. C.

INSTRUCTIONS

This report will be made out annually by all post, camp, or station Quartermasters in triplicate, two copies to be forwarded to the Commanding General of the Corps Area, who will forward the original to the Office of the Quartermaster General. This report will be required for all posts, camps, or stations, and will be forwarded as soon as possible after the close of the fiscal year. It will be noted that independent stations will forward their reports through Corps Areas, as it is desired that the Commanding General of the Corps Area have a copy of this information for all stations geographically located in his area.

Under columns 1 and 2 the building number and designation will correspond to the numbers and designations shown in the historical record on file in the Office of the Quartermaster General. Local numbers or designations in conflict with this should not be used.

The information desired in column 3 should be brief, but at the same time enable the Quartermaster General's Office to determine within a reasonable degree how the annual repair funds have been expended under the various trade classifications. For example, suppose that on a barrack building during the fiscal year it is found necessary to paint the exterior woodwork, renew a part of the roof, replaster the day room and renew some of the porch flooring, the cost of each of these various repair jobs exceeding $100. The entry in column 3 would then appear as follows: Exterior painting $348, roofing $230, plastering $107, porch flooring $401. Under the classification to be used in this column the following headings are submitted as representative important repair items: Roofing, exterior painting, foundations, porches, plastering, glazing, heating, electric lighting, interior painting, sheet metal work, skylights, ventilation, etc.

The data in column 4 should be secured by totaling the copies of work orders that have been placed in the building file under each individual building, in accordance with the procedure outlined in the instructions on the preparation of QMC Form 106. The information in this column covers repair expenditures for one fiscal year, the current fiscal year embraced by this report.

Column 5 represents the total cost of repairs from the time that the building was originally constructed and turned over to the Quartermaster until the close of the present current fiscal year. If records have been properly maintained, it will be merely necessary to add the current year's expenditures for repairs to the total cost of repairs as recorded on the last fiscal year QMC 104.

The purpose of the information to be submitted in columns 4 and 5 is to have information available at a glance to show the Quartermaster General and higher authority the actual cost of annual repairs in relation to the total cost of repairs from the time the building was originally constructed to date, and, with these figures at hand, to make comparisons with the actual cost of construction and the probable cost of replacing the building should questions pertaining to the use or alteration of any specific building arise; also to tabulate detailed information for Congress in order to show, by actual examples, funds that are ordinarily required to properly keep buildings and utilities in a first-class condition.

Information in columns 6 and 7 is similar to that in columns 4 and 5, with the exception that while columns 4 and 5 show only repair expenditures, columns 6 and 7 will show costs of original construction, which will include alterations and additions.

Under column 8 it is desired to have a figure which will represent the cost of replacing, at the close of the current fiscal year, each building structure and utility at all the stations in the Army. This figure can be arrived at through estimates prepared by the technical personnel on duty, the officers themselves, or by the help and assistance of local contractors. IT IS REQUESTED THAT SPECIAL EFFORT BE MADE TO HAVE THE FIGURE IN THIS COLUMN REPRESENT A TRUE REPLACEMENT VALUE, NOT A FICTITIOUS ONE.

In making this report it is desired that the grouping of projects follow those pertaining to maintenance, alteration and repair of buildings and utilities as is listed annually in the instructions on the preparation of QMC Form 95. Under Officers' Quarters permanent and temporary, there should be a further division to show: 1. Individual and separate Officers' Quarters, permanent; 2. Individual and separate Officers' Quarters, temporary; 3. Apartments for officers, permanent; 4. Apartments for officers, temporary; 5. Bachelor Officers' Quarters, permanent; 6. Bachelor Officers' quarters, temporary.

U. S. GOVERNMENT PRINTING OFFICE 3—8701

WAR DEPARTMENT
Q. M. C. Form 104—(Revised Nov. 22, 1926) (Old No. 501 I.)
(Revised July 27, 1931) (Revised Jan. 8, 1935)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 39

Harbor Defenses of Puget Sound C.A. (C. A.) (Dept.)
Station Fort Whitman, Washington

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19 39 Present Fiscal Year
1	Office & Qtrs		$	$	$ 1052 00	$	$ 2000 00
2	Wharf & Tramway	Minor Reps Deck & Piling $140.	140 00	162 50	4254 00		6000 00
3	Reservoir				Unknown		10000 00
	Water Mains	Repairs & Replacing $287.	287 77	287 77	"		300 00
	Elect. T&D System				"		300 00
Total			427 77	450 27	5306 00		18600 00

3—8701

(1) Building No.	(2) Designation of Buildings or Systems	(3) Brief Description of IMPORTANT REPAIR Work Accomplished During the Fiscal Year, Costing $100 or More	(4) Repair Expenditures for the Present Fiscal Year	(5) Total Repair Expenditures from the Date the Building or System was Constructed to June 30, Present Fiscal Year	(6) Total Original Cost, Not Including Repairs, to June 30, Present Fiscal Year	(7) Cost of New Construction (Including Alterations and Additions but not Repairs) During the Present Fiscal Year	(8) Replacement Value June 30, 19____, Present Fiscal Year
			$	$	$	$	$
Total			427 77	450 27	5306 00		18600 00

Approved:

James H. Cunningham
Commanding General.
Commanding Officer.

(Signature) Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.
Quartermaster.

INSTRUCTIONS

This report will be made out annually by all post, camp, or station Quartermasters in triplicate, two copies to be forwarded to the Commanding General of the Corps Area, who will forward the original to the Office of the Quartermaster General. This report will be required for all posts, camps, or stations, and will be forwarded as soon as possible after the close of the fiscal year. It will be noted that independent stations will forward their reports through Corps Areas, as it is desired that the Commanding General of the Corps Area have a copy of this information for all stations geographically located in his area.

Under columns 1 and 2 the building number and designation will correspond to the numbers and designations shown in the historical record on file in the Office of the Quartermaster General. Local numbers or designations in conflict with this should not be used.

The information desired in column 3 should be brief, but at the same time enable the Quartermaster General's Office to determine within a reasonable degree how the annual repair funds have been expended under the various trade classifications. For example, suppose that on a barrack building during the fiscal year it is found necessary to paint the exterior woodwork, renew a part of the roof, replaster the day room and renew some of the porch flooring, the cost of each of these various repair jobs exceeding $100. The entry in column 3 would then appear as follows: Exterior painting $348, roofing $230, plastering $107, porch flooring $401. Under the classification to be used in this column the following headings are submitted as representative important repair items: Roofing, exterior painting, foundations, porches, plastering, glazing, heating, electric lighting, interior painting, sheet metal work, skylights, ventilation, etc.

The data in column 4 should be secured by totaling the copies of work orders that have been placed in the building file under each individual building, in accordance with the procedure outlined in the instructions on the preparation of QMC Form 106. The information in this column covers repair expenditures for one fiscal year, the current fiscal year embraced by this report.

Column 5 represents the total cost of repairs from the time that the building was originally constructed and turned over to the Quartermaster until the close of the present current fiscal year. If records have been properly maintained, it will be merely necessary to add the current year's expenditures for repairs to the total cost of repairs as recorded on the last fiscal year QMC 104.

The purpose of the information to be submitted in columns 4 and 5 is to have information available at a glance to show the Quartermaster General and higher authority the actual cost of annual repairs in relation to the total cost of repairs from the time the building was originally constructed to date, and, with these figures at hand, to make comparisons with the actual cost of construction and the probable cost of replacing the building should questions pertaining to the use or alteration of any specific building arise; also to tabulate detailed information for Congress in order to show, by actual examples, funds that are ordinarily required to properly keep buildings and utilities in a first-class condition.

Information in columns 6 and 7 is similar to that in columns 4 and 5, with the exception that while columns 4 and 5 show only repair expenditures, columns 6 and 7 will show costs of original construction, which will include alterations and additions.

Under column 8 it is desired to have a figure which will represent the cost of replacing, at the close of the current fiscal year, each building structure and utility at all the stations in the Army. This figure can be arrived at through estimates prepared by the technical personnel on duty, the officers themselves, or by the help and assistance of local contractors. IT IS REQUESTED THAT SPECIAL EFFORT BE MADE TO HAVE THE FIGURE IN THIS COLUMN REPRESENT A TRUE REPLACEMENT VALUE, NOT A FICTITIOUS ONE.

In making this report it is desired that the grouping of projects follow those pertaining to maintenance, alteration and repair of buildings and utilities as is listed annually in the instructions on the preparation of QMC Form 95. Under Officers' Quarters permanent and temporary, there should be a further division to show: 1. Individual and separate Officers' Quarters, permanent; 2. Individual and separate Officers' Quarters, temporary; 3. Apartments for officers, permanent; 4. Apartments for officers, temporary; 5. Bachelor Officers' Quarters, permanent; 6. Bachelor Officers' quarters, temporary.

U. S. GOVERNMENT PRINTING OFFICE 3—8701

WAR DEPARTMENT
Q. M. C. Form No. 111 (Old Form 515)
Revised July 10, 1939

CARETAKER POST

HARBOR DEFENSES OF PUGET SOUND

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Reservation—Area 129.4 acres.

Date June 30, 1941

Name Fort Whitman, Wash. Location Goat Island, Skagit County Established 1909 Government-owned 129.4 acres. Leased - - acres.

Character of post Coast Artillery Telegraph station La Conner, Wash. Freight station La Conner, Wash.

Capacity: Officers 0; N. C. O. 1; Enl. men 1; Animals 0; Motor veh. 0; Hosp. beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stoves	HOT-WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	Designed Capacity	Present Occupancy	REMARKS ON CONDITION OF BUILDINGS
	HOUSING:																															
	A- Enlisted Men																															
	(1) Family Type (N.C.O.)																															
	(a) Permanent																															
1	Office & Quarters																												1P	2	Good	
	H-																															
	(2) Unheated																															
	(a) Permanent																															
2	Wharf & Tramway																												1 Lch.1		Fair	
3	Reservoir																												50,000 gal		Fair	

JOSEPH E. SCHILLO,
Lt. Col. Q.M.Corps,
Quartermaster.

SEE OTHER SIDE

U. S. GOVERNMENT PRINTING OFFICE 16—5780

CARETAKER POST

Harbor Defenses of Puget Sound

WAR DEPARTMENT
Q. M. C. Form No. 111 (Old Form 515)
Revised Jan. 23, 1925

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Date June 30, 1940

Name Fort Whitman, Wash. Location Goat Island, Skagit County Established 1909 Government owned 129.40 acres. Leased None acres

Reservation—Area 129.40 acres

Character of post Coast Artillery Telegraph station LaConner, Wash. Freight station LaConner, Wash.

Capacity: Officers 0; warrant officers and field clerks 0; N. C. O. 0; enlisted men 2; animals 0; hospital beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stoves	HOT WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Electric Lights	U. S. Furniture	Wall Lockers	Refrigerators	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	CAPACITY: Present Occupancy	REMARKS ON CONDITION OF BUILDINGS
1	Office & Qtrs.							1	1														1		1	1		1		1	12		2	1 Fam. 2	EM: Habitable
2	Wharf & Tramway																													2				1 Lch: 1	Poor
3	Reservoir																																	50,000 gal.	"

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

SEE OTHER SIDE

GOVERNMENT PRINTING OFFICE 3—9035

WAR DEPARTMENT
Q. M. C. Form No. 111 (Old Form 515)
Revised October 23, 1937

CARETAKER POST

Harbor Defenses of Puget Sound

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Date June 30, 1939

Reservation—Area 129.40 acres.

Name Fort Whitman, Washington Location Goat Island, Skagit County, Washington Established 1909 Government-owned 129.40 acres. Leased None acres.

Character of post Coast Artillery Telegraph station LaConner, Washington Freight station LaConner, Washington

Capacity: Off. 0; W. off. and ft. cls. 0; N. C. O. 0; Enl. men 2; Animals 0; Motor veh. 0; Hosp. beds 0

POST BLDG. No.	DESIGNATION OF BUILDING	Laundry Stoves	HOT-WATER HEATERS: Coal	Oil	Gas	Steam	Electric	Range Boilers	RANGES OR COOKERS: Coal	Oil	Gas	Steam	Electric	METERS: Water	Gas	Oil	Steam	Electric	Toilets	Urinals	Kitchen Sinks	Washbasins	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Storm Windows	Screens	CAPACITY: Act. Occ. : :	REMARKS ON CONDITION OF BUILDINGS
1	Office & Qtrs							1	1										1		1	1			1	1	12		2	1 Fmly: 2	EM : Usable
2	Wharf & Tramway																									2				1 Lch : 1	: Usable
3	Reservoir																													50 M G: 50	M : Usable

Fort Whitman: 3 Structures located there pertain to the U.S. Engineers.

(1st Ind. 9-9-39) 600.911 - 9th C.A.

JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

SEE OTHER SIDE

U. S. GOVERNMENT PRINTING OFFICE 3—0635

HARBOR DEFENSES OF PUGET SOUND

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Fort Whitman, Wash. CARETAKER POST Date June 30, 1941.

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED		RAILROAD OWNED		TOTAL TURNOUTS	TOTAL MILES TRACK
					Miles Track	Turnouts	Miles Track	Turnouts		
None										None

WHARVES

POST BLDG. No.	MATERIALS					DIMENSIONS		ELEVATION OF DECK		DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE	
	Substructure	Deck	Superstructure	Backfill	Treated or Untreated	Wharf	Approach	H. W.	L. W.			Kind	Date
2	Wood	Wood	Frame	None	- - -	140'	6'10"	17'			None - - except for isolation	None	

TARGET RANGES

LOCATION None AREA GOVERNMENT OWNED LEASED

CONDITION	TARGETS INSTALLED		RANGE YARDS	TARGETS		BUTTS		TRENCH		FACILITIES
	No.	Type		Width	Interval	Width	Length	Width	How Drained	
None										Water connections Yes Sewer connections Yes Telephone None Electric lights None

BOILER AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

WATER PUMPING PLANTS

	None	

SEWAGE PUMPING PLANTS

	None	

FENCES

RESERVATION			INTERIOR		
Condition	Kind	Length	Condition	Kind	Length
	None			None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
		None

HEATING

1	Heated from Kitchen Range

JOSEPH E. SCHILLO,
Lt. Col. Q.M.Corps,
Quartermaster.

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30–1770.
Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

3—9600

WAR DEPARTMENT
Q. M. C. Form No. 112
Revised Dec. 27, 1928

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At HARBOR DEFENSES OF PUGET SOUND Fort Whitman, Wash.

CARETAKER POST

Date June 30, 1941

POST NAME OF STREET OR ROAD	ROADS				WALKS			
	Kind	Length Miles or Feet	Width Feet	Condition	Kind	Length Miles or Feet	Width Feet	Condition
None	None				None			
	Total				Total			

	CONDITION	EXTENSIONS OR ALTERATIONS			
		Kind	Diam.	Length	Remarks
WATER MAINS	Fair				
DRAINAGE	Natural				
SEWER MAINS	Fair				
GAS MAINS	None				

ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT

WATER TREATMENT PLANTS	None
SEWAGE TREATMENT PLANTS	None
ELECTRICAL EQUIPMENT	None

(SEE OTHER SIDE)

2—2600 U. S. GOVERNMENT PRINTING OFFICE

WAR DEPARTMENT
Q. M. C. Form No. 112
Revised Dec. 27, 1928

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Harbor Defenses of Puget Sound, Fort Whitman, Wash. CARETKAER POST Date June 30, 1940

POST NAME OF STREET OR ROAD	ROADS				WALKS			
	Kind	Length Miles or Feet	Width Feet	Condition	Kind	Length Miles or Feet	Width Feet	Condition
NONE	None				None			
	Total				Total			

	CONDITION	EXTENSIONS OR ALTERATIONS			
		Kind	Diam.	Length	Remarks
WATER MAINS	Fair				
DRAINAGE	Natural				
SEWER MAINS	Fair				
GAS MAINS	None				

ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT

WATER TREATMENT PLANTS	None
SEWAGE TREATMENT PLANTS	None
ELECTRICAL EQUIPMENT	None

(SEE OTHER SIDE)

3—9600 U. S. GOVERNMENT PRINTING OFFICE

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Harbor Defenses of Puget Sound, Fort Whitman, Wash. — CARETAKER POST — Date June 30, 1940

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED: MILES TRACK	GOVERNMENT OWNED: TURNOUTS	RAILROAD OWNED: MILES TRACK	RAILROAD OWNED: TURNOUTS	TOTAL TURNOUTS	TOTAL MILES TRACK
None										None

WHARVES

POST BLDG. No.	MATERIALS: Substructure	Deck	Superstructure	Backfill	Treated or Untreated	DIMENSIONS: Wharf	Approach	ELEVATION OF DECK: H. W.	L. W.	DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE: Kind	Date
2	Wood	Wood	Frame	None	--	140'	6'10"	17'			Condition of wharf precludes economical repair.	None	

TARGET RANGES

LOCATION None — AREA — GOVERNMENT OWNED — LEASED

CONDITION	TARGETS INSTALLED: No.	TARGETS INSTALLED: Type	Range Yards	TARGETS: Width	TARGETS: Interval	BUTTS: Width	BUTTS: Length	TRENCH: Width	TRENCH: How Drained
None									

FACILITIES

Water connections: Yes
Sewer connections: Yes
Telephone: None
Electric lights: None

BOILER AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

WATER PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

SEWAGE PUMPING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

FENCES

RESERVATION: Condition	RESERVATION: Kind	RESERVATION: Length	INTERIOR: Condition	INTERIOR: Kind	INTERIOR: Length
	None			None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
		None

HEATING

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
1		Heated from kitchen range.

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30–1770.

Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

3—9600

WAR DEPARTMENT
Q. M. C. Form No. 112
Revised Dec. 27, 1928

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At Harbor Defenses of Puget Sound, Fort Whitman, Wash.

CARETKAER POST

Date June 30, 1940

POST NAME OF STREET OR ROAD	ROADS				WALKS			
	Kind	Length Miles or Feet	Width Feet	Condition	Kind	Length Miles or Feet	Width Feet	Condition
NONE	None				None			
	Total				Total			

	CONDITION	EXTENSIONS OR ALTERATIONS			
		Kind	Diam.	Length	Remarks
WATER MAINS	Fair				
DRAINAGE	Natural				
SEWER MAINS	Fair				
GAS MAINS	None				

ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT

WATER TREATMENT PLANTS	None
SEWAGE TREATMENT PLANTS	None
ELECTRICAL EQUIPMENT	None

(SEE OTHER SIDE)

3—9600 U. S. GOVERNMENT PRINTING OFFICE

WAR DEPARTMENT
Q. M. C. Form No. 112
Revised Dec. 27, 1928

HARBOR DEFENSES OF PUGET SOUND,

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

CARETAKER POST
****

At FORT WHITMAN, WASHINGTON

Date June 30, 1939

POST NAME OF STREET OR ROAD	ROADS: Kind	ROADS: Length Miles or Feet	ROADS: Width Feet	ROADS: Condition	WALKS: Kind	WALKS: Length Miles or Feet	WALKS: Width Feet	WALKS: Condition
NONE								
	Total				Total			

	Condition	Extensions or Alterations: Kind	Diam.	Length	Remarks
WATER MAINS	Fair				
DRAINAGE	Natural				
SEWER MAINS	Fair				
GAS MAINS	None				

ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT

WATER TREATMENT PLANTS	None
SEWAGE TREATMENT PLANTS	None
ELECTRICAL EQUIPMENT	None

(SEE OTHER SIDE)

3—9600 U. S. GOVERNMENT PRINTING OFFICE

RECORD OF EQUIPMENT AND CONDITION OF UTILITIES

At HARBOR DEFENSES OF PUGET SOUND, FORT WHITMAN, WASHINGTON — CARETAKER POST — Date June 30, 1939

RAILROADS

CONNECTING RAILROAD AT POST	TRACK GAUGE	WEIGHT OF RAIL	KIND OF RAIL	MAINTAINED BY—	GOVERNMENT OWNED: MILES TRACK	GOVERNMENT OWNED: TURNOUTS	RAILROAD OWNED: MILES TRACK	RAILROAD OWNED: TURNOUTS	TOTAL TURNOUTS	TOTAL MILES TRACK
None										None

WHARVES

POST BLDG. No.	MATERIALS: Substructure	Deck	Superstructure	Backfill	Treated or Untreated	DIMENSIONS: Wharf	Approach	ELEVATION OF DECK: H. W.	L. W.	DEPTH OF MEAN LOW WATER	DIFFICULTIES IN MAINTAINING AND REPAIRING WHARF	REPAIRS MADE: Kind	Date
2	Wood	Wood	Frame	None	--	140' x 39'6"	100' x 10'	6'10"	17'		None - Except for isolation	Minor Repairs ($140.00)	1-16-39

TARGET RANGES

LOCATION None — AREA — GOVERNMENT OWNED — LEASED

CONDITION	TARGETS INSTALLED: No.	Type	Range Yards	TARGETS: Width	Interval	BUTTS: Width	Length	TRENCH: Width	How Drained
None									

FACILITIES:
- Water connections: Yes
- Sewer connections: Yes
- Telephone: None
- Electric lights: None

BOILER AND POWER PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

REFRIGERATING PLANTS

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
	None	

WATER PUMPING PLANTS

	None	

SEWAGE PUMPING PLANTS

	None	

HEATING

IN BLDG. No.	CONDITION	ADDITIONS, ALTERATIONS, OR REPLACEMENTS IN EQUIPMENT
1	Heated from kitchen range	

FENCES

RESERVATION: Condition	Kind	Length	INTERIOR: Condition	Kind	Length
None			None		

Joseph E. Schillo
JOSEPH E. SCHILLO,
Major, Q.M.C.,
Quartermaster.

INSTRUCTIONS.—This report will be prepared annually as directed in paragraph 8, A. R. 30–1770.

Under the heading "Extensions, additions, alterations, or replacements" any changes that have been made in the equipment of the utility referred to during the present fiscal year will be reported. Opposite "Heating" report changes in the square feet of radiation installed in buildings or boilers in individual heating plants. If there have been no additions or alterations statement to that effect will be made.

3—9600

WAR DEPARTMENT
M. C. Form No. 423
Revised Nov. 29, 1920

ELECTRIC LIGHTING AND POWER

At Fort Whitman, Wash. *Date* June 1, 1922.

1. Electricity generated or purchased
2. If purchased, name contractor
3. Primary current, voltage, and cycles
4. Type of connection (delta or star, or single phase)
5. Secondary voltage at lamps
6. Two or three wire
7. Distributing system, pole line or underground
8. Original cost and date
9. Cost of repairs to date
10. State present condition of the distributing system
11. Number and type of street lamps
12. Amperes of street lamps
13. Substation
14. Description of switchboard
15. Voltage regulators
16. Total connected load for electric lights
17. Total connected load for motors or other power-consuming apparatus
18. List of motors and the use of each:

19. Electric cooking or heating apparatus None

20. State average cost of electricity per K. W. H. for lighting ; for power
21. If generated in a Government plant, state the cost per K. W. H., including labor
22. Give a list of electrical apparatus or equipment on the reservation which is not Government property:
None

Arthur D. Hughes,
Quartermaster

23. Any statement necessary to make the above information clear and complete should be made here:
No electric lights in use at this station.

WAR DEPARTMENT
Q. M. C. Form No. 424
Revised Dec. 3, 1920

TRANSFORMERS

At Fort Whitman, Washington. *Date* June 1, 1922.

NUMBER	CAPACITY	MAKE	PRIMARY VOLTAGE	CYCLES	PHASES	SECONDARY VOLTS	TYPE	DATE INSTALLED	PRESENT CONDITION	COST OF REPAIRS	REMARKS

NONE AT POST.

Arthur D. Hughes,
Quartermaster.

WAR DEPARTMENT
Q. M. C. Form No. 425
Revised Dec. 3, 1920

HOUSE LIGHTING—WATT-HOUR METERS AND HOUSE-WIRING DATA

At Fort Whitman, Washington. *Date* June 1, 1922.

BUILDING		LAMPS								WATT-HOUR METERS					HOUSE WIRING	
NUMBER	DESIGNATION	NUMBER						VOLTS	APPARENT AVERAGE LIFE HOURS	NO.	MAKE	2 OR 3 WIRE	INSTALLED	LAST CALIBRATED	KIND	CONDITION
		15 watts	25 watts	40 watts	60 watts	75 watts	100 watts									

NONE AT POST.

Arthur D. Hughes,
Quartermaster.

WAR DEPARTMENT
Q. M. C. Form No. 426
Revised Dec. 3, 1920

WATER-SUPPLY SYSTEM

Complete and up to date - June 21, 1937

At Fort Whitman, Washington. *Date* June 1, 1922.

Source of water supply Springs on Fidalgo Island
Sanitary conditions surrounding source of supply Good

Quality of water Excellent
Has the capacity of the supply been fully developed? Yes
Describe distribution system 1140 feet 2-inch galvanized pipe

Source of power Gravity

FILTRATION

	SEDIMENTATION BASIN	FILTERS (RAPID OR SLOW SAND)	CLEAR-WATER BASIN
Number			
Dimensions	None		
Material			
Drawing Nos.			
Capacity			
Cost			
Date installed			
Condition			

PURIFICATION OR STERILIZATION TREATMENT

CHLORINATORS

Number	Capacity	Type	Cost	Date installed	Condition
		None			

HYPOCHLORITE OF LIME TANKS

Number	Capacity	Method: Feeding	Method: Mixing	Material	Date installed	Condition
			None			

WELLS

KIND	NO.	DEPTH	DIAM.	MANNER PUMPED	CAPACITY, G. P. M.	COST	DATE INSTALLED	CONDITION
				None				

Arthur D. Hughes,
Quartermaster

WATER METERS

NO.	MAKE	SIZE	CONDITION
None			

WATER MAINS

KIND	DIAM.	LENGTH	SOURCE SUPPLY	CAPACITY, G. P. M.	COST	DATE INSTALLED	CONDITION
G.I.Pipe	2"	1140'				1909	Good
		22					

YARD HYDRANTS

NO.	MAKE	DIAMETER	CONDITION
4		3/4"	Good

FIRE HYDRANTS

NO.	MAKE	NOZZLES, Threads per In.: Steam	NOZZLES, Threads per In.: Hose	CONDITION
	NONE			

TANKS, RESERVOIRS, CISTERNS, ETC.

KIND	NO.	DIMENSIONS	SOURCE SUPPLY	CAPACITY, GALLS.	TRESTLE: Height	TRESTLE: Material	ELEV. HIGH WATER: Pump	ELEV. HIGH WATER: Flagpole	DATE INSTALLED	CONDITION
Concrete	1		Gravity	50000					1909	Good

PRESSURE

AT HIGHEST FIRE HYDRANT	AT LOWEST FIRE HYDRANT

Standpipes for sprinkling carts (number)
None

QMC Form No. 93 combines QMC Forms 93 and 107
WAR DEPARTMENT
(Revised Oct. 23, 1937)

WATER SUPPLY SYSTEM AND WATER PUMPING PLANTS

AT Fort Whitman, Washington — CARETAKER POST — DATE May 20, 1938

1. Source of water supply: Springs
2. Sanitary conditions surrounding source of supply: Good
3. Consumption—gallons: a. Maximum day: Not Metered; b. Minimum day: " "; c. Daily average for year: Not Metered
4. Population supplied: a. Maximum month: 2; b. Minimum month: 2; c. Daily average for year: 2
5. Animals supplied—daily average: 0
6. Maximum gallons per day available: Unknown
7. Has the capacity of the supply been fully developed? Unknown
8. Number and size of connections (city supply): None
9. State size, type, make, and capacity of meters: None
10. Number of automatic flush valves: 0
11. Are pressures satisfactory to operate flush valves? None
12. Pressures: a. Maximum: Unknown near Bldg. No. ; b. Minimum: " near Bldg. No. ; c. Normal for post: " ; d. At highest fixture: " in Bldg. No.

13. Water temperature:	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum day	Unknown											
Minimum day	Unknown											
Monthly average	Unknown											

14. Average cost, water delivered (1,000 gal.): .75

15. Description of source of supply, sanitary conditions, and how water distribution system is operated:

From springs on Swinomish Indian Reservation, Fidago Island, Washington.

Water distributed through 2" G.I. main from springs on Fidago Island to Wharf on Goat Island, wharf to Engineer house; engineer house to reservoir, reservoir to mains. All gravity system. Water not treated.

16. Description of pump operation:

No Pumps

17. WELL DATA

WELL NO.—	1	2	3	4	5
Total depth—feet					
Size of casing and material					
Length of screen and material					
Size of screen openings					
Standing water level—feet					
Capacity—g. p. m.					
Drawdown—feet					
When drilled					
Cost					
How pumped					
Where is log available?					

18. DEEP-WELL PUMPS

Name of manufacturer					
Type					
Capacity—g. p. m.					
Head—feet					
Driving unit					
H. P. of driver					
Speed					
Depth of setting—feet					
Electric current: Voltage					
Electric current: Phase					
Electric current: Cycles					
Date installed					
Cost					

19. CENTRIFUGAL AND DIRECT-ACTING PUMPS

PUMP NO.—	1	2	3	4	5	6	7	8	9
Where installed—Bldg. No.									
Name of manufacturer									
Capacity—g. p. m.									
Design head—feet									
Speed—r. p. m.									
Driving unit									
H. P. of driver									
Electric current: Voltage									
Electric current: Phase									
Electric current: Cycles									
Direct or belt driven									
Suction lift or head—feet									
Discharge head—feet									
Automatic or manual start									
Unit Serial No.									
Date installed									
Cost									

20. Remarks on pumps covered by 18 or 19:

--

3—10724

21. AIR LIFT PUMPS

Installed in—	Well No. 1	Well No. 2	Well No. 3	Well No. 4	Well No. 5
Starting pressure					
Operating pressure					
Depth of setting					
Diameter of foot piece					
Diameter of air line					
Diameter of eduction pipe					
Date installed					
Cost					

Remarks on equipment (cols. 21 and 22):

--

22. AIR COMPRESSORS

Unit—	No. 1	No. 2	No. 3	No. 4
Where installed—Bldg. No.				
Name of manufacturer				
Speed—r. p. m.				
Capacity—cu. ft. per min.				
Pressure—pounds				
Cylinder diameter				
Stroke length				
Driving unit				
H. P. of driver				
Direct or belt driven				
Unit Serial No.				
Date installed				
Cost				

23. WATER ANALYSIS—P. P. M.

	Raw	Delivered
Total hardness as $CaCo_3$		66.62
Alkalinity (M. O.)		25.00
pH value		6.4
Total iron		Less than .01
Magnesium		10.05
Calcium		15.00
Sulphates as SO_4		0.00
Chlorides as Cl		7.5
Average color		30.
Average turbidity		Not determined
Date of analysis		3/12/36
Where was sample taken		Ft. Whitman
By whom made		Let. Gen. Hosp. Lab. S.F., Calif.

24. ACTION OF DELIVERED WATER ON PIPE LINES, HEATERS, ETC.

Material—	Cast Iron	Galv. Steel	Galv. Wrought Iron	Brass	Copper	Hot Water Heating Boilers	Steam Boilers	Galv. Steel Storage Tanks	Galv. W. I. Storage Tanks	Nonferrous Storage Tanks
Cold water	Unknown									
Hot water	Unknown									

25. ZEOLITE SOFTENERS

	Softener Tanks	Brine Tanks	State Activity Supplied by Softener
Name of manufacturer			
Type			
Number of units			
Dimensions			
Material			
Capacity—g. p. m.			
Type of zeolite			
Cu. ft. of zeolite			
Exchange capacity—kilograins			
Automatic or manual			
Date installed			
Cost			

31. Remarks on equipment (cols. 25 to 30):

--

26. CHLORINATORS

Unit—	No. 1	No. 2
Name of manufacturer		
Type		
Capacity—maximum lbs.		
Water treated		
Installed in Bldg. No.		
Date installed		
Cost		

27. AMMONIATORS

Unit—	No. 1	No. 2
Name of manufacturer		
Type		
Capacity—maximum lbs.		
Water treated		
Installed in Bldg. No.		
Date installed		
Cost		

28. CHEMICAL TREATMENT

Chemical	Average G. P. G.	Average P. P. M.
Alum		
Lime		
Chlorine		
Soda ash		

CHEMICAL FEEDING EQUIPMENT

29. DRY FEEDERS

Unit—	No. 1	No. 2	No. 3	No. 4
Name of manufacturer				
Installed in Bldg. No.				
Chemical used				
Capacity—max. and min. lbs.				
How driven				
Date installed				
Cost				

30. SOLUTION FEEDERS

Unit—	No. 1	No. 2	No. 3
Name of manufacturer			
Installed in Bldg No.			
Chemical used			
Dimensions of tanks			
Number of tanks			
Date installed			
Cost			

3—10724

32. FILTRATION PLANT

	MIXING CHAMBER	SEDIMENTATION BASINS	FILTERS	CLEAR WATER WELL
Number of units				
Dimensions				
Material				
Capacity—gal.				
Date constructed				
Q. M. G. Plan No.				
Cost				

Description of backwash equipment: None

Maximum capacity of plant (M. G. D.): --

Describe operation of plant and flow of water through plant from intake to outlet: --

33. TREATED WATER STORAGE

	ELEVATED			GROUND		
Building No.						
Dimensions						
Material						
Capacity—gal.						
Elevation of high water						
Elevation of grade						
Height of tower						
Date constructed						
Q. M. G. Plan No.						
Cost						

34. IMPOUNDING RESERVOIRS OR DAMS

Concrete reservoir
50,000 gal. capacity

35. WATER MAINS

Diameter	2"								
Material	G.I.								
Length	Approx. 14000'	?							2.60
Class									
Joint material									
Depth of cover									
Date installed	Unknown								
Cost	NoRecord								

Give title and drawing number of layout plan and where available:

36. AUTOMATIC SPRINKLER SYSTEM FOR FIRE PROTECTION

Installed in Bldg. No.						
Type						
Number dry pipe valves						
Number alarm valves						
Number sprinkler heads						
Booster pump—g. p. m.						
Storage tank—capacity						
Date installed						
O. Q. M. G. Plan No.						
Cost						

37. SPRINKLER OR OTHER IRRIGATION SYSTEMS

None

38. Miscellaneous Remarks (cols. 32–37):

--

39. THIS SPACE FOR USE OF O. Q. M. G.

CHECKED	DATE
O.K. Geiger & Engle	July 9, 1938.

3—10724

QMC Form No. 94
WAR DEPARTMENT
(Revised Oct. 23, 1937)

SEWERAGE SYSTEMS AND WASTE DISPOSAL

At Fort Whitman, Washington — CARETAKER POST — Date May 20, 1938

1. Population served: (a) Maximum month 2; (b) Minimum month 2; (c) Daily average for year 2

2. Water consumption: (a) Maximum day Not Metered; (b) Minimum day "; (c) Daily average for year "

3. Sewage flow: (a) Maximum day Unknown; (b) Minimum day "; (c) Daily average for year "

4. Are sanitary and storm sewers separate or combined? No storm sewers

5. Sewage discharged into: (a) City sewer; (b) Stream; (c) Lake; (d) Ocean Puget Sound; (e)

6. Is sanitary sewage pumped? No

7. Is storm sewage pumped? No

8. Does station have sewage treatment plant? No

9. SEWER MAINS

	(a) Sanitary	(b) Storm Water
Diameter	6"	
Material	Vit	
Length	241'	
Joint material		
Average depth		
Date installed	Unknown	
Cost	NoRecord	

Number of manholes Unknown Average depth --

Manhole elevations shown on Drawing No. None

Sewer layout shown on Drawing No. None

Brief description of sanitary sewerage system including pumping stations, treatment plants, etc.: None

Number of manholes Average depth

Manhole elevations shown on Drawing No.

Sewer layout shown on Drawing No.

Brief description of storm water sewerage system including pumping stations:

10. SANITARY SEWAGE PUMPS

Pump No. —	1	2	3	4	5	6
Installed—Bldg. No.						
Name of manufacturer						
Type						
Capacity—g. p. m.						
Total head—feet						
Speed—r. p. m.						
Suction lift						
Discharge head						
Direct or belt drive						
Driving unit						
H. P. of driver						
Automatic or manual start						
Unit Serial No.						
Date installed						
Cost						

11. STORM DRAINAGE PUMPS

Pump No. —	1	2	3	4	5	6
Installed—Bldg. No.						
Name of manufacturer						
Type						
Capacity—g. p. m						
Total head—feet						
Speed—r. p. m.						
Suction lift						
Discharge head						
Direct or belt drive						
Driving unit						
H. P. of driver						
Automatic or manual start						
Unit Serial No.						
Date installed						
Cost						

12. SEWAGE TREATMENT PLANT

Unit—	Screen Chamber	Sewage Tanks	Chlorinating Chamber	Dosing Chamber	Siphon	Filters	Sludge Beds
Number of units							
Dimensions							
Capacity							
Drawing Nos.							
Date installed							
Cost							

3—10723

13. SEWAGE EJECTORS				
Installed—Bldg. No.				
Name of mfr.				
Type				
Capacity—g. p. m.				
Head				
Sump capacity				
Date installed				
Cost	$	$	$	$

14. SMALL SEPTIC TANKS				
Unit No.				
Dimensions				
Material				
Capacity—gal.				
Serving Bldgs. No.				
Point of discharge				
Date installed				
Cost	$	$	$	$

15. CHLORINATORS			
Installed—Bldg No.			
Name of mfr.			
Type			
Capacity			
Chlorine added to			
Average dosage			
Date installed			
Cost	$	$	$

16. Remarks on equipment (cols. 4 to 9 inclusive): —

17. INCINERATOR			
Building No.		Capacity	
Name of building		Can wash equipment	
Type		Condition	
Stack height		Date installed	
Stack diameter		Cost	
Drawing Nos.			

18. OTHER MEANS OF WASTE DISPOSAL

Describe operation of dumps, sale of garbage or manure, method of garbage collection, etc.: Other waste and garbage dumped into Puget Sound

Joseph E. Schillo
Capt., Q. M. C.,
Quartermaster.

19. THIS SPACE FOR USE OF O. Q. M. G.

CHECKED	DATE
O.K. Geiger & Engle	July 9, 1938.

INSTRUCTIONS

This form is for permanent record and will be used only when new installations are made or extensive alterations or additions are first completed and turned over for use. Forms will be prepared in triplicate. One copy will be retained at the station where prepared, one copy will be forwarded to the Department or Corps Area Quartermaster, and one copy (the original) will be forwarded to the Quartermaster General. At independent stations, forms will be prepared only in duplicate, one copy for retention at the station and the other for submission to the Quartermaster General. Slight modifications, alterations, or additions will be reported promptly upon completion of the work to the Quartermaster General, as directed in paragraph 7, A. R. 30–1770.

The instructions listed hereinafter by number refer to the respective numbered headings in the form and are to be followed in entering the required information. Where building numbers are called for, the designation will correspond to the number shown in the historical record on file in the office of the Quartermaster General.

If spaces are left blank in filling in the form, it will be assumed that equipment under these headings is not installed at the station:

1. (*a*) Give daily average for total personnel for maximum month. (*b*) Give daily average for total personnel for minimum month. (*c*) Give daily average for total personnel for period of 1 year.

2. (*a*) Give maximum gallons used in 1 day. (*b*) Give minimum gallons used in 1 day. (*c*) Give daily average gallons used for the period of 1 year.

3. (*a*) Give estimated maximum total sewage flow in 1 day. (*b*) Give estimated minimum total sewage flow in 1 day. (*c*) Give estimated average daily sewage flow for period of 1 year.

4. State whether sanitary and storm water sewers are separate or combined.

5. State where sewage is discharged, as noted, giving name of body of water.

6. Answer "Yes" or "No," or "Partially" if only part of sewage is pumped.

7. See No. 6.

8. Answer "Yes" or "No," or if only part of sewage is treated, so state.

9. (*a*) and (*b*) Give information as listed for sanitary sewers and storm water sewers.

10. Under type, state whether horizontal or vertical; under capacity, total head, and speed, give name-plate data; under suction lift, give distance sewage must be lifted to pump suction inlet; under discharge head, give pressure in feet in pump discharge while running; under driving unit, state whether electric motor, gas engine, etc.

11. Same as 10.

12. Under capacity for screen chamber, sewage tanks, chlorinating chamber, and dosing chamber, give total capacity in gallons when full; for siphon and filter, give capacity in gallons per minute; for sludge bed, give capacity in cubic feet of sludge storage.

13. Under type, state whether vertical, centrifugal, or pneumatic; under capacity and head, give name-plate data; give sump capacity in gallons when filled.

14. Give dimensions in feet; under materials, state whether concrete, wood, steel, etc.; give capacity in gallons when filled; give building numbers served by tanks; give point of discharge, such as a stream, underground tile, etc.

15. Under type, state whether direct or solution feed; give capacity in pounds per 24 hours; state point at which chlorine is added; give average dosage of chlorine in parts per million.

16. State condition of equipment, whether adequate and functioning properly, and other pertinent remarks not covered by form.

17. Under name of builder, give contractor's name; under type, state whether natural or forced draft; give stack height and diameter in feet; under capacity, state rate in tons per 8 hours; under can wash equipment, answer "Yes" or "No."

18. Describe briefly any dumps, sale of manure or garbage, composting of manure, method of garbage and trash collections, and any other details dealing with waste disposal not covered by the form.

19. This space is reserved for use of the O. Q. M. G. and is not to be filled in by authorities in the field.

WAR DEPARTMENT
Q. M. C. Form No. 427
Revised Dec. 3, 1920

SEWERAGE SYSTEM

Complete and up to date - June 21, 1937

At Fort Whitman, Washington. *Date* June 1, 1922.

SEWERS

KIND	DIAM-ETER	SANITARY DRAINAGE	LENGTH	NO. MANHOLES Brick	NO. MANHOLES Concrete	ORIGINAL COST	DATE INSTALLED	CONDITION
Vitrified	6"		230'	2		Not known	1919	Fair
			04					

Arthur D. Hughes,
Quartermaster

FLUSH TANKS

NUMBER	CAPACITY	MAKE OF SIPHON	COST
		None	

GREASE TRAPS

NUMBER	CAPACITY	DRAWING NUMBER	CONDITION
		None	

SEWAGE EJECTORS

NUMBER	CAPACITY	MAKE OF EJECTOR	COST
		None	

Means of disposal of sewage Into Delta of Skagit River

CENTRIFUGAL PUMPS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	SOURCE OF POWER	DIAMETER Suction	DIAMETER Discharge	DISCH PRESSURE	SUCTION LIFT	CAPACITY, G. P. M.	DATE INSTALLED	CONDITION
		None										

SEWAGE-TREATMENT PLANT

	SCREENING AND DETRITUS CHAMBER	SEWAGE TANKS	FILTERS	SLUDGE BEDS	SECONDARY SEDIMENTATION TANKS	CONTACT BEDS	INTERMITTENT SAND FILTERS	CHLORINATING APPARATUS
Number								
Dimensions		None						
Drawing Nos.								
Cost								
Date installed								
Condition								

INCINERATORS

BUILDING NO.	NAME OF MANUFACTURER	TYPE	DRAWING NUMBERS	STACK Height	STACK Diameter	STACK Material	CAN WASH EQUIPMENT	CAPACITY	COST	DATE INSTALLED	CONDITION
			None								

WAR DEPARTMENT
Q. M. C. Form No. 511
Revised Dec. 3, 1920

PUMPING PLANTS

At Fort Whitman, Washington. *Date* June 1, 1922.

STEAM PUMPS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	SOURCE OF POWER	DIA. CYLS.		LENGTH STROKE	DISCH. PRES.	SUCT. LIFT	CAP., G. P. M.	DATE INSTALLED	CONDITION
						Steam	Water						
		NONE AT POST.											
		Arthur D. Hughes, Quartermaster.											

CENTRIFUGAL PUMPS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	BELTED OR DIRECT CONNECTED	SOURCE OF POWER	DIAMETER		DISCH. PRES.	SUCT. LIFT	CAP., G. P. M.	DATE INSTALLED	CONDITION
						Suction	Discharge					

AIR COMPRESSORS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	SOURCE OF POWER	DIA. CYLS.		LENGTH STROKE	AIR PRES.	CAPACITY, CU. FT. FREE AIR P. M.	DATE INSTALLED	CONDITION
						High	Low					

AIR-LIFT PUMPS

NAME OF PLANT	PLANT NO.	AIR RECEIVER		DIAMETER			STATIC HEAD	PRESSURE		CAPACITY, G. P. M.	ELEV. DIS.	DATE INSTALLED	CONDITION
		Diameter	Length	Ft. piece	Discharge	Air pipe		Starting	Operating				

Remarks:

WAR DEPARTMENT
Q. M. C. Form No. 512
Revised Dec. 3, 1920

FIRE PROTECTION

At Fort Whitman, Washington. *Date* June 1, 1922.

FIRE DEPARTMENT ORGANIZATION.

NO. OF STATION	NO. MEN EACH STATION	NO. OF STATION	NO. MEN EACH STATION
	NONE		
Total		Total	

Remarks:

OUTSIDE AID.

LOCATION	DISTANCE	TIME
LaConner, Washington.	3 miles	1 hour

Remarks:

WATER SUPPLY.

Capacity of tanks
Capacity of reservoirs 50000 gallons
Capacity pump, max. G. P. M.
Duration of water supply

PRESSURE IN MAINS	
Due to tanks or reservoirs	Direct pumping
	Max
	Min

Remarks:

AUTOMATIC SPRINKLER SYSTEMS.

BLDG. NO.	NAME OF MANUFACTURER	WET OR DRY	AREA COVERED	BLDG. NO.	NAME OF MANUFACTURER	WET OR DRY	AREA COVERED
		NONE					

Remarks:

STANDPIPE SYSTEMS.

Designation and number of buildings equipped NONE

Remarks:

HOSE CONNECTIONS AT PLUGS

	POST	NEAREST TOWN
Number of threads per inch NONE		
Diameter of male couplings over threads		

Remarks:

FIRE-ALARM SYSTEMS

NAME OF SYSTEM	NUMBER OF STATIONS	AREA COVERED	PURCHASED OR RENTED
Oral only			

Remarks:

FIRE-FIGHTING APPARATUS

	Capacity, G. P. M.	Name o Manufacturer	Number
Triple comb'n pumping engines			
Double comb'n chem'l and hose trucks			
Hook and ladder truck			
Utilities car			
Wheel-type chemical extinguishers			
Hose carts, hand-drawn			
1-quart extinguishers			
2½-gallon soda-and-acid extinguishers	4		
2½-gallon foam-type extinguishers			
5-gallon hand pump tank			
Hose—2½-inch, double jacket	Linear feet.		
2½-inch, single jacket	Linear feet.		
Unlined linen	Linear feet.		
Other apparatus: 20 Fire Buckets			

Remarks:

Arthur D. Hughes,
Quartermaster.

WAR DEPARTMENT
Q. M. C. Form No. 513
Revised Dec. 3, 1920

BOILER AND POWER PLANTS

At Fort Whitman, Washington. *Date* June 1, 1922.

BOILERS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	FOR WHAT USE OPERATED	RATED H. P.	GRATE AREA	HEATING SURFACE	BOILER PRESSURE	STACKS No.	STACKS Diameter	STACKS Height	DATE INSTALLED	CONDITION
			NONE AT POST.										

Method of measuring coal
Method of measuring boiler feed water
Method of measuring ash
Condition of the boiler feed water

BOILER FEED PUMPS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	DIA. OF STM. CYL.	LENGTH STROKE	DIA. OF WATER CYL.	CAPACITY, IN GALLS. PER MIN., NORMAL SPEED	DATE INSTALLED	CONDITION

BOILER AUXILIARIES

WATER WEIGHERS	STEAM TRAPS	INJECTORS	PUMP REGULATORS	WATER HEATER	CONDENSER

Give description and manufacture of other apparatus

Arthur D. Hughes,
Quartermaster.

ENGINES

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	TYPE	FOR WHAT USE OPERATED	RATED H. P.	DIA. CYLINDERS High	DIA. CYLINDERS Low	DIA. ROD	LENGTH STROKE	R. P. M.	PIPE SIZES Steam	PIPE SIZES Exhaust	INSTALLED	CONDITION

When exhaust steam is used for heating, give back pressure

GASOLINE AND OIL ENGINES

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	WHERE LOCATED	FOR WHAT USE OPERATED	FUEL USED	RATED H. P.	DIA. CYL.	LENGTH STROKE	R. P. M.	IF DIRECT-CONNECTED TO GENERATOR Volts	Amperes	Name of manufacturer

ELECTRIC GENERATORS

NAME OF PLANT	PLANT NO.	NAME OF MANUFACTURER	DRIVEN BY	FOR WHAT USE OPERATED	RATED K. W.	KIND OF CURRENT	VOLTS	AMPS.	HOW EXCITED	R. P. M.	SHOP NO.	DATE INSTALLED	CONDITION

Give description of exciters

Any statement necessary to make the above information clear and complete should be made here

WAR DEPARTMENT
Q. M. C. Form No. 514
Revised Dec. 3, 1920.

LAUNDRY PLANT

DESCRIPTION OF EQUIPMENT IN LAUNDRY

At Fort Whitman, Washington. *Date* June 1, 1922.

BOILER PLANT

PLANT NO.	NAME OF MANUFACTURER	TYPE	BOILERS				SQ. FT. GRATE	TYPE OF SETTING	STACK	
			H. P.	Dia.	Length	W. P.			Dia.	Height

NONE AT POST.

Arthur D. Hughes,
Quartermaster.

BOILER FEED PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	STEAM	EXH.	SUCT.	DISCH.	G. P. M.	SIZE	SHOP NO.

BOILER RETURN TRAP

PLANT NO.	NAME OF MANUFACTURER	TYPE	STEAM	INLET	OUTLET	VENT	G. P. M.	TANK		SHOP NO.
								Dia.	Length	

ENGINE

PLANT NO.	NAME OF MANUFACTURER	TYPE	H. P.	STEAM	EXH.	R. P. M.	W. P.	B. P.	DIA. CYL.	LENGTH STROKE

MOTORS

PLANT NO.	NAME OF MANUFACTURER	TYPE	VOLTS	PHASE	CYCLES	R. P. M.	DIA. PULLEY	PLANT NO. OF MACHINE OPERATED

MANGLES

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO.	NO. ROLLS	LNG.	STEAM	DRIP	TRAP		
								Inlet	Outlet	Name of—

HAND IRONERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO.	NO. ROLLS	LNG.	STEAM	DRIP	TRAP		
								Inlet	Outlet	Name of—

PRESSES

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO.	STEAM	DRIP	CAP.	TRAP		
							Inlet	Outlet	Name of—

DRIERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	STEAM	DRIP	R. P. M.	TRAP		
						Inlet	Outlet	Name of—

EXTRACTORS, CENTRIFUGALS

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO.	DIA.	R. P. M.	D. PLG.	BELT.	SHOP NO.

WASHERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO.	DIA.	LNG.	STEAM	W. PR.	DRN.	SHOP NO.

HOT-WATER HEATERS AND STORAGE TANKS.

PLANT NO.	NAME OF MANUFACTURER	TYPE	STEAM	DRIP	STEAM PR.	C. W.	H. W.	STORAGE CAPACITY	CAPACITY PER HOUR

WAR DEPARTMENT
Q. M. C. Form No. 518
Approved Dec. 1, 1921

REFRIGERATING PLANT

At Fort Whitman, Washington. *Date* June 1, 1922.

AMMONIA COMPRESSORS

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO. CYCLES	DIA. CYCLES	LENGTH STROKE	R. P. M.	BELT	DIA. FLY WHEEL	DIA. P. ROD	DISPLACE-MENT	SERIAL NO.

NONE AT POST.

Arthur D. Hughes,
Quartermaster.

PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SUCT.	DIS.	R. P. M.	LIFT	HEAD	CAP. GALLS.	DUTY	DRIVEN BY—	SERIAL NO.

MOTORS

PLANT NO.	NAME OF MANUFACTURER	TYPE	H. P.	AMPS.	R. P. M.	VOLTS	PHASE	CYCLES	DIA. PULLEY	DRIVING PLANT NO.	SERIAL NO.

ELECTRIC SWITCH EQUIPMENT

TYPE	NAME OF MANUFACTURER	H. P.	PRIMARY			SECONDARY			SWITCH MOTOR	BULLETIN NO.
			Volts	Amps.	Cycles	Phase	Amps.	Volts		

TANKS

TYPE	PURPOSE	NUMBER OF CANS	TANK			COIL			SIZE OF ICE CANS	CAPACITY ICE CANS
			L.	W.	D.	Size	Length	T. ft.		

STORAGE ROOMS

BRINE OR D. E.	PURPOSE	ROOMS			COIL			VOLUME, CU. FT.	SURFACE, SQ. FT.	FLOOR AREA
		L.	W.	H.	Size	T. ft.	Ratio			

AGITATORS

PLANT NO.	NAME OF MANUFACTURER	TYPE	DIA. PRO-PELLER	WIDTH BELT	R. P. M.	DRIVEN BY—	SERIAL NO.

AMMONIA CONDENSERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	NO. OF PIPES	LENGTH PIPES	SIZE	TOTAL LENGTH OF PIPE

AMMONIA RECEIVER

OIL SEPARATOR

ICE-HARVESTING EQUIPMENT

Storage capacity harvested ice

REMARKS

WAR DEPARTMENT
Q. M. C. Form No. 519
Approved Dec. 1, 1921

CENTRAL HEATING PLANTS

At Fort Whitman, Washington. *Date* June 1, 1922.

DESCRIPTION OF BOILERS AND BOILER-ROOM EQUIPMENT IN CENTRAL HEATING PLANT NO. .....

BOILERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	PRESSURE	DIA.	LENGTH	H. P. RATING	SQ. FT. RAD.
				NONE AT POST.			

Arthur D. Hughes,
Quartermaster.

FEED-WATER HEATERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	EXH.	PUMP	RTNS.	C. W.	H. P.

BOILER FEED PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	STEAM	EXH.	SUCT.	DIS.	SIZE

CENTRIFUGAL PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	HEAD	LIFT	SUCT.	DIS.	R. P. M.

VACUUM PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	STEAM	EXH.	SUCT.	DIS.	SIZE

FORCED-DRAFT FAN

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	ST. PR.	C. P. M.	R. P. M.	DRIVEN BY—

POWER PUMPS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	CYL.	STROKE	SUCT.	DIS.	CAPACITY, GALLS.	DRIVEN BY—

STOKERS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	H. P.	DRIVEN BY—

MOTORS

PLANT NO.	NAME OF MANUFACTURER	TYPE	SHOP NO.	VOLTS	PHASE	CYCLE	H. P.	R. P. M.	APPLIED PLANT NO.

REMARKS

WAR DEPAR MENT
Q. M. C. Form No. 519 A
Approved Dec. 1, 1921

CENTRAL HEATING PLANTS

At Fort Whitman, Washington. *Date* June 1, 1922.

BUILDINGS HEATED					HEATED FROM PLANT NO.	HEATED BY EXHAUST STEAM FROM PLANT NO.	REMARKS
BLDG. NO.	DESIGNATION	SQUARE FEET RADIATION IN BUILDING	UNCOVERED PIPE (SQUARE FEET)	COND. RETURNED			

NONE AT POST.

Arthur D. Hughes,
Quartermaster.

WAR DEPARTMENT
Q. M. C. Form No. 520
Approved Dec. 1, 1921

INDIVIDUAL HEATING PLANTS

At Fort Whitman, Wash. *Date* June 1, 1922.

BUILDINGS			HEATED BY INDIVIDUAL HEATING PLANTS					HEATED BY STOVES, ROOM HEATERS, AND FURNACES												
								STOVES, DIAMETER GRATE						ROOM HEATERS, DIAMETER						FURNACES	
NUMBER	DESIGNATION	SQUARE FEET RADIATION	SQUARE FEET PIPE	NAME OF MANUFACTURER	SER. NO.	SIZE	CAPACITY (SQ. FT.)	7"	9"	10"	12"	14"	16"	16"	18"	20"	22"	24"	26"	No.	Diameter grate
	Radio Station.										1										
	N. C. O. Quarters									1											
	Barracks										2										

Arthur D. Hughes,
Quartermaster

WAR DEPARTMENT
Q. M. C. Form No. 109 (Old 513)
Revised Dec. 3, 1920

At_____

WAR DEPARTMENT
OFFICE OF THE QUARTERMASTER GENERAL

October 12 1931

TO: CONSTRUCTION DIVISION
R. & U BRANCH)
N. C. BRANCH) in turn
HISTORICAL RECORDS UNIT)

For:

1. ___ Necessary action.
2. ___ Necessary action and direct reply.
3. ___ Preparation of reply for signature of QMG.
4. ___ Remark and recommendation. (In turn)
5. X Notation and filing.
6. ___ Information. (In turn)
7. ___ Please see me.
8. ___ Keep me advised.
9. ___

File 680.2

Transmitting copy of 7th ind., A.G.O. to C.G., 9th C.A., Oct. 8, 1931, approving the transfer of office and quarters, wharf and tramway track at Fort Whitman, Washington, from the Engineer Corps to the Quartermaster Corps.

B&R
VALLIANT

7th Ind.

AG-680.22 Ft. Whitman
(8-3-31) Misc. D.

War Department, A.G.O., October 8, 1931. - To The Commanding General, Ninth Corps Area.

The transfer of the office and quarters, wharf and tranway track at Fort Whitman Washington, to the Quartermaster Corps, is approved subject to the understanding that the Corps Area Engineer or his representative shall at all times have free and unrestricted use of the wharf, the tramway, and accessory equipment whenever required in connection with the prosecution of fortification, maintenance, and rehabilitation work at that place.

By order of the Secretary of War:

John B. Richardson
Adjutant General.

10th Ind.

602.3

Hq. H.D. of P.S., Fort Worden, Wash. Nov. 12, 1931 To the Commanding General 9th C.A. Dist. Presidio of S.F. Cal.

1. In compliance with par. 2, 8th Indorsement these structures were transferred to the custody of the Quartermaster Corps on Nov. 6, 1931.

F.W. Phisterer,
Colonel, 14th C.A.
Commanding.

August 3,1931

SUBJECT: Transfer of Engineer Structures to Quartermaster.

TO: Commanding General, Ninth Corps Area,
Presidio of San Francisco, Calif.

1. It is recommended that the following Engineer Structures located at Fort Whitman be transferred to the Quartermaster Corps:

Office and Quarters, Condition poor, 2 story wood, 18'x34' 6 rooms & bath.

Wharf. Condition fair. Main wharf 40'x140z' with L 70'x70' 100' approach.
Warehouse on wharf 55'x73'.

Tramway 700' of track, 3' gauge. (Operated with an electric hoist, cable and flat car.)

2. These structures have no present or futue use to the Engineer department. The office and quarters building is at present occupied by the caretaking detachment. The wharf and tramway are used for unloading and handling supplies.

F.W. Phisterer,
Colonel, 14th C.A.
Commanding.

1st. Ind.

660.2 PS (Engr)

Hq. 9th CORPS AREA, Presidio of San Francisco, Calif. August 17, 1931.
To: The Adjutant General, Washington, D.C.

1. Records at this Headquarters indicate that all of the structures referred to in basic letter were built by the Engineer Department in connection with fortification constructionwork at Fort Whitman, payment being made from funds for battery construction. The office and quarters building was erected during 1910, original cost $1052.00; the wharf and tramway were built during 1909, original cost $3759.00 and $475.00 respectively. Repairs amounting to $805.40 were made to the wharf during 1930. All of the structures have been reported as in "fair" condition. All were transferred to the jurisdiction of the Harbor Defense Commander by the District Engineer, Seattle, Wash., with the transfer of control of fortification maintenance work on March 1, 1930.

H.L. Walthall
Lt. Colonel, A.G.D.

WAR DEPARTMENT
Q.M.C. Form No. 117 (Old No. 173A)
Revised June 28, 1939

Post Plan No. _____

O.Q.M.G.: Plan No. _____ Building No. 1

Place Fort Whitman, Washington
Designation of building Office and Quarters Capacity _____
Total cost, $ 1052.00 Date completed 1910
Material: Walls Wood Foundation Wood
Roof Shingles Floors Wood
Total floor area above basement, square feet 800
Size: Main building 20'6" x 24'6" Wings None Basement None
a Stoves (How heated)
b _____ (Type of heat)
c Wood (Type of domestic hot water heater)

Height of first floor above ground 3 ft.
How lighted Kerosene
Water connections Yes
Sewer connections Yes
Gas connections No

COOKING RANGES INSTALLED (Give quantity and size)
Coal One
Gas None
Electric "
Oil _____
Steam "

REFRIGERATORS INSTALLED (Give quantity and size)
Gas _____
Electric _____
Ice _____

METERS INSTALLED (Give quantity and capacity)
Gas None
Electric "
Oil "
Steam "
Water "

Approval of Secretary of War as required by A. R. 30-1435
(Give date and File Number)
_____

ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

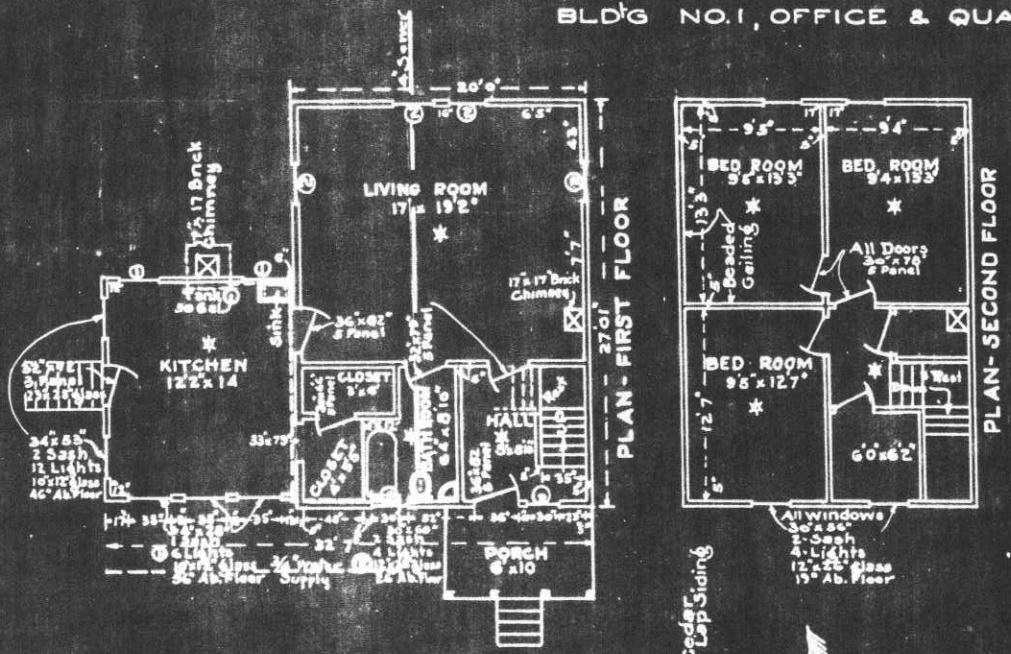
DATE		COST	DATE		COST

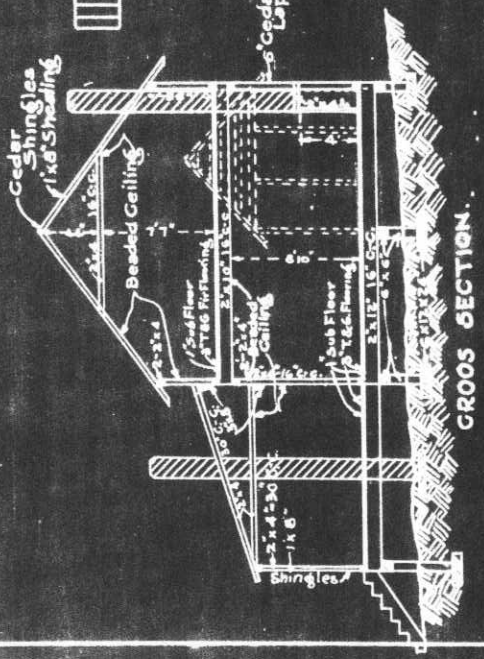
INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
"b" State whether steam, vapor, hot water, or hot air.
"c" State whether gas, coal, oil, or central heating plant.

See reverse side of form.

HISTORICAL RECORD, FORT WHITMAN, WASH,

BLD'G NO. 1, OFFICE & QUARTERS,





REMARKS.

One story building, wood construction. Building rests on 6"x6" posts which in turn rest on 6"x12"x24" mud sills. Resting on the posts are 6"x6" stringers supporting 2"x12" floor joice, 1"x8" sub floor 1"x3" T. & G. Fir flooing. Studs rest on floor plates. Ceiling joice are 2"x10" resting on plates and second floor resting on joice All rooms are lined with 3" beaded ceiling. Brick chimney, main building rest on 2"x4" supports. The Porch and Leanto were constructed after the main building was erected. Size of all doors are as shown. No transoms. Size of all windows are as shown.

OFFICE OF THE QUARTERMASTER
H.D. OF P.S.
FORT WORDEN, WASH.
OFFICE & QUARTERS
SCALE: 1"-10'

SUBMITTED. APPROVED.

Major Q.M.C.

Drawn: R.J.Y. Jan. 26th 1940

WAR DEPARTMENT
Q.M.C. Form No. 117 (Old No. 173A)
Revised June 28, 1939

Post Plan No. .....

O.Q.M.G.: Plan No. ..... Building No. 2

Place Fort Whitman, Washington
Designation of building Wharf and Tramway Capacity -------
Total cost, $ 4254.00 Date completed 1909
Material: Walls (Wharf) Wood Foundation (Wharf) Timber on common pile
Roof (Wharf) Warehouse, shingles Floors (Wharf) Wood
Total floor area above basement, square feet of warehouse 3837 (Wharf)
Size: Main building (Tramway) 700' of track 3' gauge 30 lb rail Basement Warehouse (Wharf)
a None (Wharf) 39.5' X 14[illegible] L 70' X 70' Approach 100' 55.5' X 72.5' -1 st
(How heated)
" Height of first floor above ground -------
b (Type of heat) How lighted None
" Water connections "
c (Type of domestic hot water heater) Sewer connections "
Gas connections "

COOKING RANGES INSTALLED (Give quantity and size)

Coal None
Gas "
Electric "
Oil "
Steam "

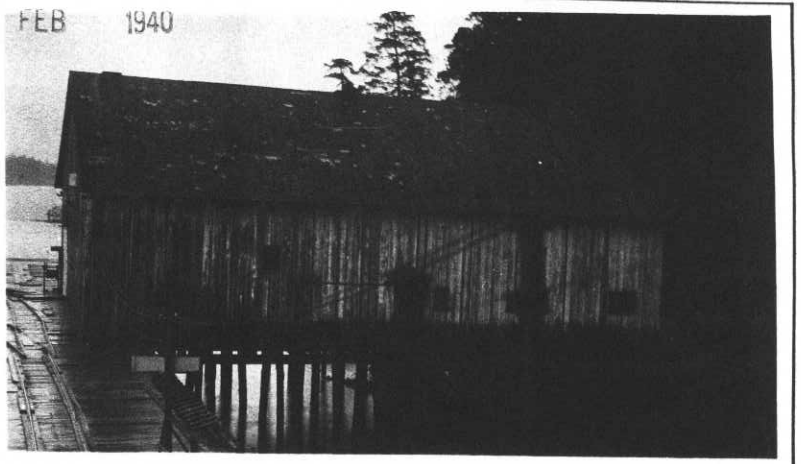
REFRIGERATORS INSTALLED (Give quantity and size)

Gas None
Electric "
Ice "

METERS INSTALLED (Give quantity and capacity)

Gas None
Electric "
Oil "
Steam "
Water "

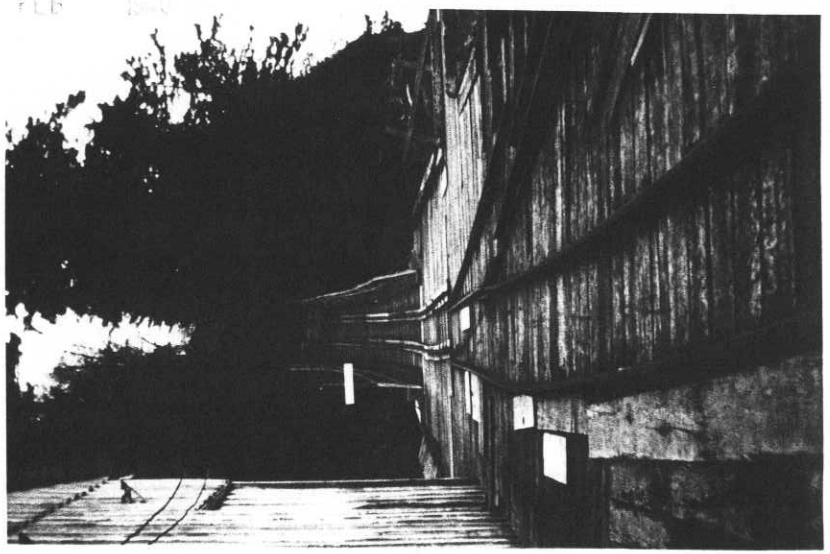
Approval of Secretary of War as required by A. R. 30–1435
(Give date and File Number)



ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

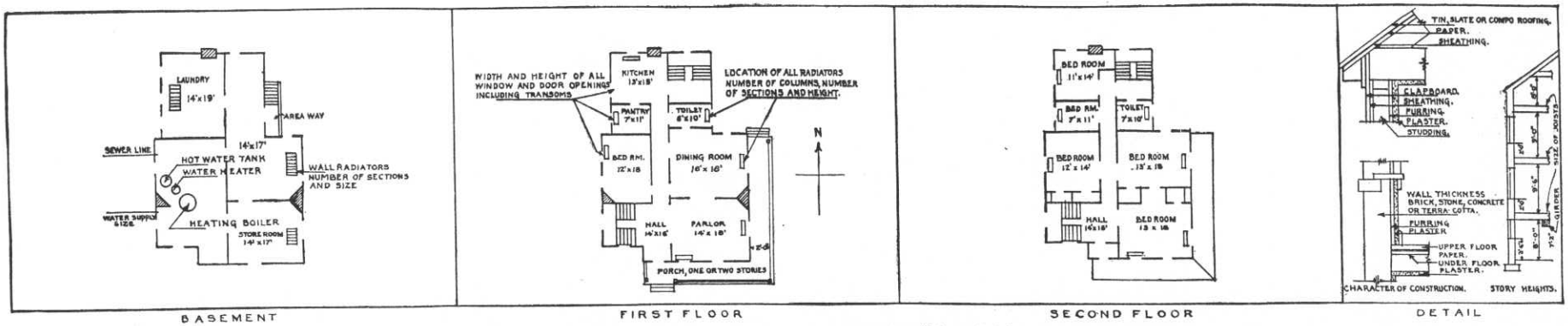
DATE		COST
1930	(Wharf) Repairs by Engineers	$805.40



INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
"b" State whether steam, vapor, hot water, or hot air.
"c" State whether gas, coal, oil, or central heating plant.

See reverse side of form.

16—8068



BASEMENT FIRST FLOOR SECOND FLOOR DETAIL

IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

REMARKS

Tramway operated by electric hoist, tramway and small flat car.
Description of electric hoist: Single friction drum furnished by Superior Iron Works of Superior, Wis. June 28, 1921 Cost $950.00. Motor: General Electric Co., Serial No.249923. Crane Motor type C.O. 1806-A, 650 R.P.M., Max. safe speed 2700 R.P.M., Amp. 82, Volts 115. 1/2 hour rating. Series wound 10 H.P. Model 90088. Controller: General Electric Co., No. 4034680. 5-point reversing. Type R-28-V. Starting Resistance: General Electric Co., CR-3132. Total Resistance 1.92 ohms. Installed June 1922.

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights, etc.

U. S. GOVERNMENT PRINTING OFFICE 16—8608

REPAIRS TO WHARF, FORT WHITMAN, WN.

Funds allotted: $150.00.

Procurement authority: QM 2809 P15-1240 A0535-9.

Funds expended: $150.00.

Date of completion of repairs: February 2, 1939.

Method of repairs: Purchase and hire.

Repairs accomplished:

a. Repair underpinning of runway to wharf.

b. Replace missing and/or damaged planking on runway to wharf.

Breakdown of expenditures:

a. Labor - $139.00.

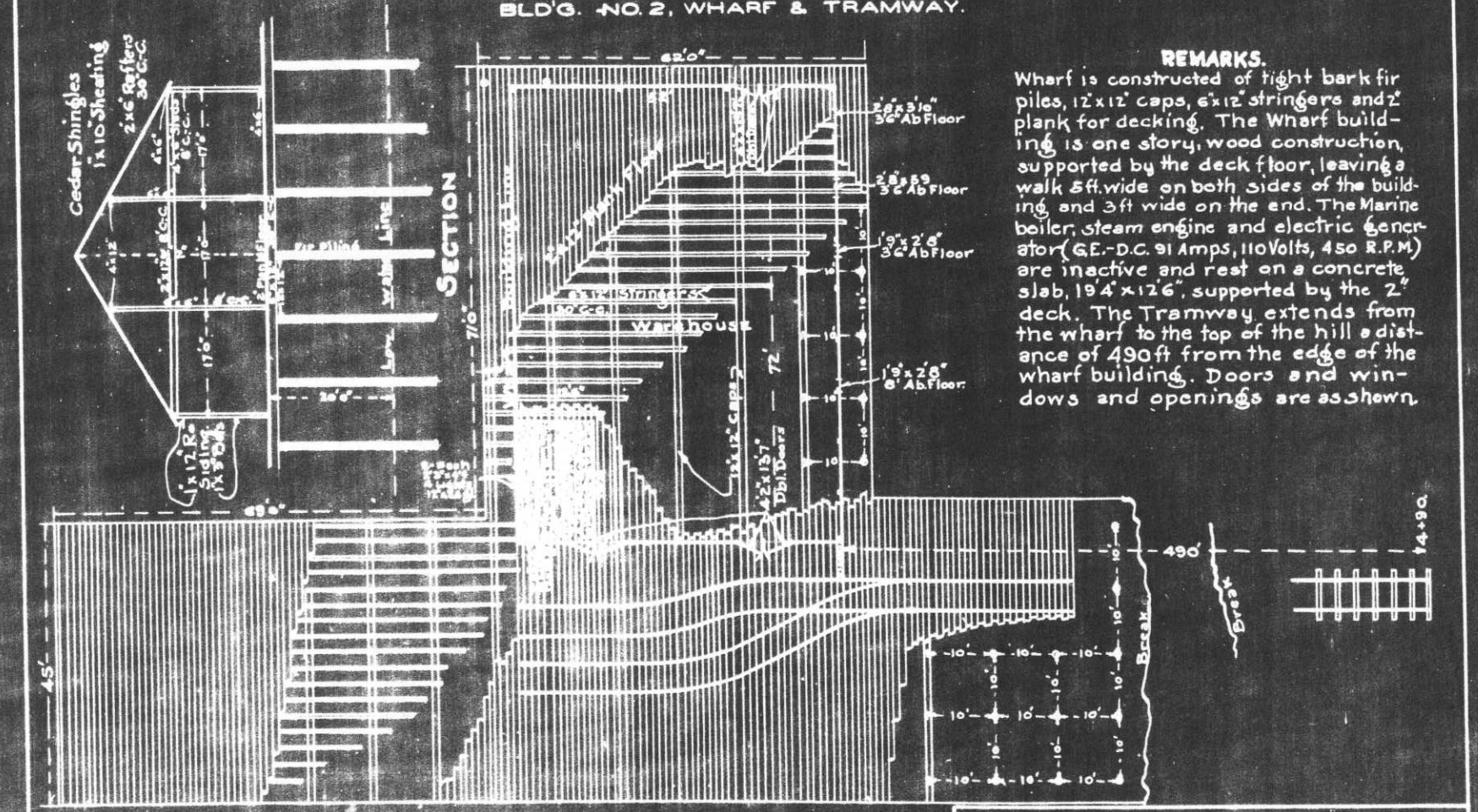
b. Material (new) - $11.00.

c. Additional material (salvage) was used in the estimated amount of $120.00.

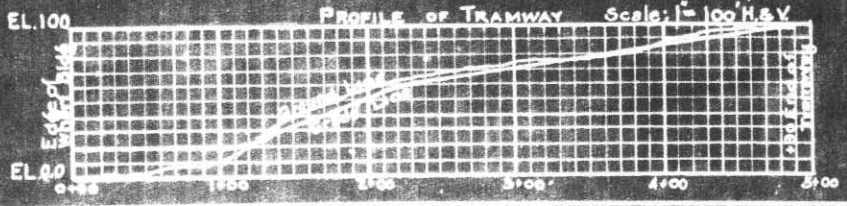
JOSEPH E. SCHILLO
Captain, Q. M. C.
Quartermaster

HISTORICAL RECORD, FORT WHITMAN, WASH.

BLD'G. NO. 2, WHARF & TRAMWAY.



PLAN: WHARF & WAREHOUSE & TRAMWAY



REMARKS.

Wharf is constructed of tight bark fir piles, 12"x12" caps, 6"x12" stringers and 2" plank for decking. The wharf building is one story, wood construction, supported by the deck floor, leaving a walk 5ft. wide on both sides of the building and 3ft wide on the end. The Marine boiler, steam engine and electric generator (G.E.-D.C. 91 Amps, 110 Volts, 450 R.P.M.) are inactive and rest on a concrete slab, 19'4"x12'6", supported by the 2" deck. The Tramway extends from the wharf to the top of the hill a distance of 490ft from the edge of the wharf building. Doors and windows and openings are as shown.

OFFICE OF THE QUARTERMASTER
H.D. OF P.S.
FORT WORDEN, WASH.
WHARF & TRMWAY
SCALE: 1" = 20'

SUBMITTED — APPROVED

Major Q.M.C.

Drawn: R.J.Y. — Jan. 27th 1940.

WAR DEPARTMENT
Q.M.C. Form No. 117 (Old No. 173A)
Revised June 28, 1939

Post Plan No. .....

O.Q.M.G.: Plan No. ..... Building No. 3

Place Fort Whitman, Washington
Designation of building Reservoir Capacity 50,000 gall
Total cost, $..... Date completed .....
Material: Walls Concrete Foundation .....
Roof ..... Floors .....
Total floor area above basement, square feet .....
Size: Main building ..... Wings ..... Basement .....
a ..... (How heated)
b ..... (Type of heat)
c ..... (Type of domestic hot water heater)
Height of first floor above ground .....
How lighted .....
Water connections .....
Sewer connections .....
Gas connections .....

COOKING RANGES INSTALLED (Give quantity and size)
Coal .....
Gas .....
Electric .....
Oil .....
Steam .....

REFRIGERATORS INSTALLED (Give quantity and size)
Gas .....
Electric .....
Ice .....

METERS INSTALLED (Give quantity and capacity)
Gas .....
Electric .....
Oil .....
Steam .....
Water .....

Approval of Secretary of War as required by A. R. 30–1435 (Give date and File Number) .....

ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

DATE		COST	DATE		COST

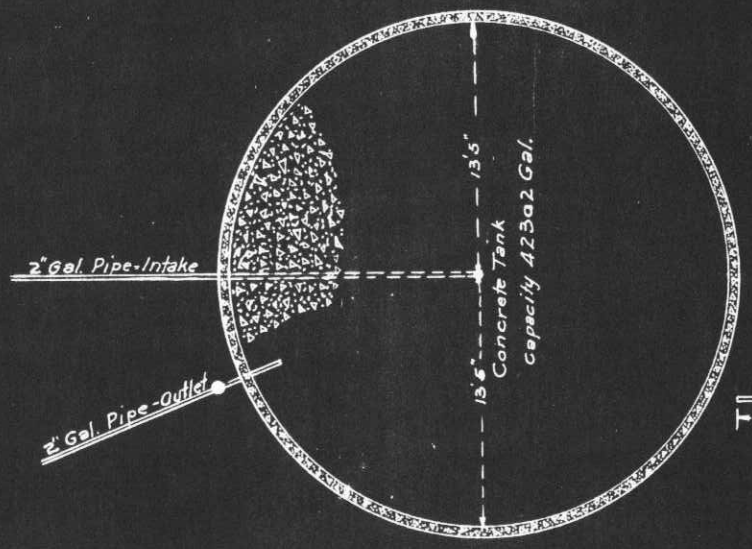
INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
"b" State whether steam, vapor, hot water, or hot air.
"c" State whether gas, coal, oil, or central heating plant.

See reverse side of form.

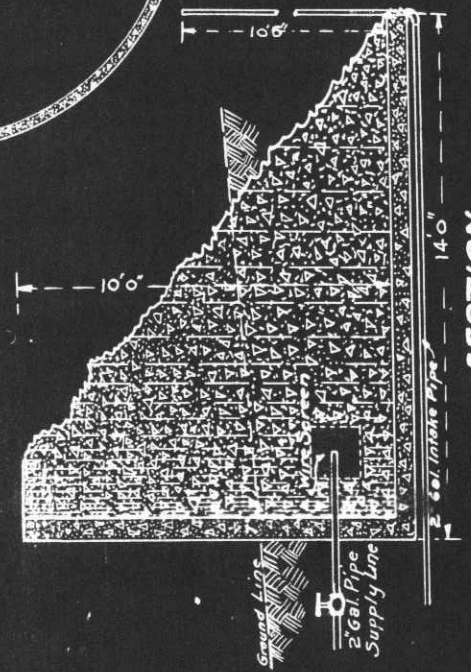
16—8668

HISTORICAL RECORD, FORT WHITMAN, WASH.

BLD'G. NO. 3 RESERVOIR.



PLAN
Scale 1"=8'



SECTION
Scale 1"=4'

REMARKS.

Circular Concrete Water Tank. Constructed of concrete, reinforced, 28 ft. outside diameter 26' 10" inside diameter. Walls and floor 7" thick. Ten feet in depth. Gravity 2" supply line, discharging in center of tank 6" above water line. Water overflows rim of tank. A 2" Gal. Iron pipe 18" from floor, covered with screen supplies the Quarters. No covering.

OFFICE OF THE QUARTERMASTER.
H.D. OF P.S.
FORT WORDEN, WASH.
RESERVOIR

SCALE AS SHOWN

SUBMITTED Jno. E. Shiello
Major Q.M.C.

APPROVED _____

Drawn: R.J.Y

Jan. 24th 1940.

FORT WHITMAN.

Emplacement Plant.

(a) In the power room of battery Harrison in rear of emplacement No. 1.

(b)

1. Boilers:
None.

2. Engines:
One, General Electric Co. No. 6779, Type G.M.-12; Form A-2; H.P. 43/54; Speed 560 r.p.m.; gasoline.

3. Generators:
One, General Electrid Co.; No. 313003; Type M.P.C. 6-25-560; Form A; Amp. 217; Speed 560 r.p.m.; Volts 115.
Date of purchase, - - -

4. Radiators:
One, General Electric Co. No serial No. Pertain to engine No. 6779.

5. Motors:
One fan motor for radiator, continuous current; aeries wound; No. 314155; Type C.Q-3; Form A-58; Speed 1050; Volts 115; Amp. 23.5.

6. Transformers:
None.

7. Storage Batteries:
None.

(c) Switchboard:
One 2-panel switchboard, No. 89, Walker Co., equipped with ammeter, voltmeter, watt-hour meter, rheostat, circuit-breaker, and switches.

(d) Furnish power and light to Battery Harrison, fire control and mine station, and to radio station.

(e) No additional data.

(f) Transferred to the Artillery, May 9, 1911.

(g) Condition excellent; probable additional life 15 years.

SEARCHLIGHTS.

Fort Whitman

(a) Location:
On Fort Whitman wharf.

(b) Description:
Diameter, 30-inch.
Maker, General Electric Co.
Lamp, No. 397, Type H.E.
Projector, No. 333, Form F, Type E.C. 30"
Fixed.
Electrically controlled.
Controller, No. 137, Type E.C.B., Class 30"
Date of purchase,

(c) Source of Current:
Marine, steam engine, No. 1456, Form D-3, Size $6\frac{1}{2}$ x 5,
Speed, 460; Cap. 10 kw.
Generator, No.54795, Type M.P., Class 4-10-450, Form A.

(d) The projector is housed in the warehouse on the wharf and run out on a hand-truck 50 feet to operating position at front of wharf. Distant 650 feet to the right from emplacement No. 1, battery Harrison.

(e) Received at Fort Casey in March 1900 from an eastern district. Received and transferred to the Artillery at Fort Whitman August 1, 1913.

(f) Engine, boiler and generator in good condition; lamp and reflector old. The outfit answers fairly well to illuminate present limited field. Probable additional life, 5 years.