

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

37232

Ft. Standish

Btty Whipple

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5348, ROOM 917 WINTHROP BUILDING,

BOSTON, MASS.

May 20, 1901.

Brig. Gen. Geo. L. Gillespie,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:

I have the honor to forward herewith plan and estimate for emplacements for two 6" R.F.guns on pedestal mounts, to be constructed at Ft. Standish, this harbor, prepared in accordance with your instructions of April 23, 1901 (37232).

The design submitted covers substantially all points presented in the type drawing recently issued, but in its general features is simply an enlargement of a design for 5" R.F.guns on similar mounts completed last year on Peddocks Island, at Fort Andrews, and which has proved very satisfactory in all respects.

The main points of divergence from the type plan are the center traverse and the separation of the guns. The first is necessary to protect the battery from complete enfilade and is so arranged as not to interfere with the full field of fire of the guns. The second is a sequence of the first, but I consider the separation of the guns a further distinct advantage. The gun platforms proper form the roof of rooms below. They are well supported by centre piers of masonry and various heavy walls and have a large surplus of stability. The interior arrangements comprise a double magazine, two shot and shell rooms, a

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lobby in which the lifts are placed, two large guard rooms and two smaller rooms under the outer stairs. These latter serve, the one as a general storeroom, the other for storage battery and switchboard. The communications are about as on the type plan. The lifts roll the projectiles out directly on the gun platform where a reserve can be placed under cover along the recessed portion of the wall. The powder can go up in the lifts or be carried up the stairs. In either case, a surplus can be stored in the two powder recesses provided and whose united capacity equals that given in the type plan. The magazine and projectile storage capacity is the same as in the type plan. The parapets are so arranged as to allow both guns to be fired to the rear onto the Narrows and Nantasket Roads. The parapet of the battery joins that of the 15 pdr. battery now nearly completed and the position is given on the general map of Lovells Island submitted to the Department under date of June 13, 1900, the only change being that #5 emplacement is nearer to #4 than there shown, as the original plan contemplated the use of depressing carriages.

Electric current will be supplied from a central station.

Details of drainage, ventilation, lighting, etc., are not shown on the drawing owing to the small scale but are estimated and provided for.

The battery rests directly on the natural surface, all the parapet is borrowed fill, and the floors of the magazine and other rooms are just above the highest known tides.

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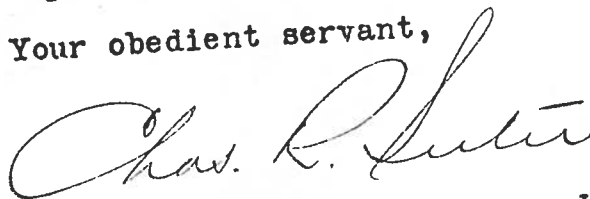
The estimate herewith submitted shows that the cost of the double emplacement will be about \$25,000.

Estimate.

Excavation, 100 cu. yds., @ 50¢	50.00
Fill, 6300 cu. yds. @ 60¢ (fill borrowed)	3,780.00
Trenching for drains,	680.00
Grading, sodding and seeding,	1,200.00
Drains, manholes, etc.,	450.00
Blind drains,	150.00
Concrete, 1200 cu. yds. @ \$6.00	7,200.00
Forms,	2,160.00
Finishing, waterproofing and whitewashing,	450.00
Ventilation,	120.00
Steel work for ceilings 4000 lbs. @ 7¢	280.00
Anchor bolts,	250.00
Ring bolts,	35.00
Doors, 12 @ \$50.	600.00
Speaking tubes,	40.00
Fire places,	60.00
Conduits and lights, 35 @ \$6.	210.00
Water supply,	300.00
Road,	200.00
Lifts, 2 @ \$400.	800.00
Taking down forms,	75.00
Erecting plant,	120.00
Removing and storing plant,	80.00
Transportation,	2,300.00
Superintendence, 5 months @ \$225.	1,125.00
Office, and contingencies, 10%	2,261.50
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	\$24,876.50

Very respectfully,

Your obedient servant,



Col., Corps of Engrs., U. S. A.

1 inclosure,
(tracing in sep. roll)

OFFICE OF CHIEF OF ENGINEERS

37232
MAY 28 1901
WAR DEPARTMENT

For

287

Boston,
May 20, 1901.

Suter,
Col. Chas. R.

Forwards plan and estimate for
emplacements for two 6" R.F. guns
to be constructed at Ft. Standish,
Boston Har., prepared in accord-
ance with E.D. instructions of
April 23, 1901. Cost of double
emplacement will be about \$25,000
1 Inclo. E. D. (Tracing.)

Inclo. 2 in May 1901 - 24. 19. 24. 62.

Respectfully returned to Colonel
Suter, approved.
The sum of \$25,000 from the pro-
visional allotment made November 9,
1900, from the appropriation for
"Gun and Mortar Batteries", for
construction of gun and mortar bat-
teries, Act of May 25, 1900, is
hereby made available for the con-
struction of these emplacements,
and the remaining \$5,000 of this
allotment is hereby withdrawn and
restored to the appropriation.
These papers to be returned.
By command of Brig. Gen. Gillespie:

W. H. Brownell
Captain, Corps of Engineers.

37232
1
Inclo. 2 in sep. roll.

1st indorsement.

Office Chief of Engineers,
U. S. ARMY.

2nd indorsement,
U. S. Engineer Office,
Boston, Mass.

May 25, 1901.
Respectfully returned to the
Chief of Engineers, U. S. Army.

Chas. R. Suter

Col., Corps of Engrs., U.S.A.
Forts 287.
1 Inclo. acccomp. - in sep. roll.

REC'D. OFFICE CHIEF OF ENGRS. MAY 27 1901