

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

38665

Ft. Standish

Btty Burbark and Morris

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,
BOSTON, MASS.

March 28, 1901.

Brig. Gen. John M. Wilson,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:


Referring to Department letter (38665) dated March 18, 1901, directing me to investigate the details of location and foundation for emplacements for 2 6-inch guns at Fort Andrews and 3 10-inch rifles at Fort Standish, I have the honor to state that such investigation has already been undertaken and will be continued.

There will probably be a delay of several weeks before the complete plans of the 10-inch emplacements can be forwarded, and this time can be utilized very profitably in the installation of a working plant, and such preparation of the ground as may be independent of the details of the battery. The excavation can be carried on in connection with the fill for the 6-inch battery now being completed to the advantage of both batteries. If this work cannot be combined, one portion must await the completion of the other, or else additional costly plant must be purchased.

It is estimated that \$10,000.00 can be profitably expended as described, and a preliminary allotment of that amount, for

FORM 1-10-10

Your obedient servant,

Your obedient servant,


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

OFFICE OF CHIEF OF ENGINEERS

38665

1061

MAR 29

WAR DEPARTMENT Engineer Office, Boston, Mass.	
1911	Received APR 1 1901

Boston, 28, 1901.

Suter,
Col. Chas. R.

Referring to E.D. letter dated Mar. 18, 1901, states investigation as to details of location and foundation for empls. for two 6" guns at Ft. Andrews and three 10" rifles at Ft. Standish has already been undertaken and will be continued. There will probably be a delay of several weeks before complete plans of 10 in. emplacements can be forwarded, etc. The excavation mentioned can be carried on in connection with fill for 6" battery now being completed to the advantage of both batteries.

For reasons stated a preliminary allotment of \$10,000 for construction of 10" battery from appropriation designated is recommended.

Wicks *Green 97*

REC'D, BACK, OFFICE CHIEF OF ENGRS. APR 3 1901

1st indorsement.

Chief of Engineers,

March 30, 1901.
Respectfully returned to Colonel Suter.

The question of the type of mounting for these guns is still before the Secretary of War, and no work dependent on the type (disappearing or nondisappearing) of mounting can yet be authorized. With this understanding, an allotment of \$10,000 is hereby made from the appropriation for "Gun and Mortar Batteries", for construction of gun batteries, Act of March 1, 1901, for the purposes stated within.

This paper to be returned.
By command of Brig. Gen. Wilson:

Thos. V. Allen
Major, Corps of Engineers.

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

April 1, 1901.
Respectfully returned to the Chief of Engineers, U.S. Army.

Chas. R. Suter
Col., Corps of Engrs., U.S.A.
Forts. 195.

REC'D, OFFICE CHIEF OF ENGRS. APR 3 1901

A

UNITED STATES ENGINEER OFFICE,

ROOM 1015 BARRISTERS HALL, 25 PEMBERTON SQUARE,

BOSTON, MASS.

April 14, 1906.

Brig. Gen. A. Mackenzie,

Chief of Engineers, U. S. Army,

Washington, D. C.

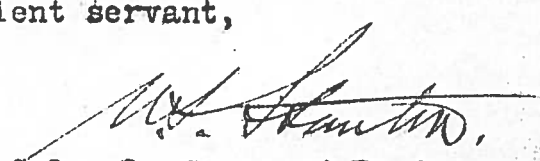
General:

1. At Battery Henry Burbeck, 4 10-inch guns, Fort Standish, Boston Harbor, if the platforms be built as designed and as shown at emplacement 1, sheet 1, blue print herewith, the Artillery object to the number and sharpness of the turns in the path of the ammunition truck from the magazines to the guns. I therefore recommend that the platform be built as shown at emplacement No. 2, sheet 1.

2. On sheet 2, blue print herewith, is shown an alternative scheme which would leave the platform more symmetrical but it is objectionable on account of the diminished cover in extending the platform so far to the rear.

Very respectfully,

Your obedient servant,


Colonel, Corps of Engineers.

2 blue prints in sep. roll.

OFFICE OF CHIEF OF ENGINEERS

APR 13 1906
WAR DEPARTMENT

U.S. ENGINEER OFFICE
28 APR 1906
1251906
BOSTON, MASS.

Boston, Apr. 14, 1906.

Stanton,
Col. W.S.

If the platforms at Batty Henry Burbeck, 4 10-inch guns, Ft. Standish, Boston Harbor, be built as designed and as shown at emplacement 1; sheet 1, blue print accpg., the Arty. object to the number and sharpness of turns in path of ammunition truck from magazines to guns. Recommends that platform be built as shown at emplacement No. 2, sheet 1. On sheet 2, blue print accpg., is shown an alternative scheme which would leave platform more symmetrical but is objectionable on account of diminished cover in extending platform so far to rear.

2 INCOS. E. D. (b. pts.)

Incls. 14 & 15 in Sep. roll, Ba. 19, 24, 58

RECA. BACK OFFICE CHIEF OF ENGRS. APR 23 1906
Incls. 14 & 15 accmptg.

1st Indorsement.

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF ENGINEERS,
WASHINGTON.

April 18, 1906.

1. Respectfully returned to Colonel Stanton.

2. The plan shown in Sheet 2 is preferred, if funds in hand permit, as the exposed rear part of the platform would not be occupied in time of action if it was swept by actual shells. In time of peace the looks of the battery would be much better than with the plan suggested for Emplacement 2, Sheet 1. It is largely a question of money, however, as no further funds can be allotted.

3. To be returned, with report as to what plan has actually been adopted.

By command of Brig. Gen. Mackenzie:

Samuel V. Miller
Major, Corps of Engineers

38865

15

Incls. 14 & 15 in Sep. roll.

2nd Indorsement,
U. S. ENGINEER OFFICE
Boston, Mass.

April 21, 1906.

1. Respectfully returned to the Chief of Engineers.

2. As the funds in hand are adequate, the platforms will be built in accordance with plan shown in sheet 2.

Colonel, Corps of Engineers.

28

125

Forts. Inclos. 126-127 in Sep. roll.

RECA. OFFICE CHIEF OF ENGRS APR 23 1906

Colonel, Corps of Engineers

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,

BOSTON, MASS.

May 6, 1901.

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

General:

In accordance with instructions from your office of Mar. 18, and Apr. 25, 1901, (#38665), I have the honor to forward plans and estimates for a battery of four ten inch rifles at Fort Standish on Lovells Island, this harbor, the guns to be mounted on disappearing carriages L.F. model of 1896.

The location of the battery is shown on the map of Lovells Island forwarded to the Department under date of June 13, 1900.

It was considered desirable to lay before you the plan and estimate for the entire battery as projected although it is understood that your instructions only cover, for the present, three guns out of the four. Estimates for the partial construction are also submitted covering the three right hand guns of the battery, numbered on the plan 6, 7 and 8.

The location of this battery between two channels of approach renders it liable to enfilade fire from both directions, but more especially from the Eastward. Traverses of considerable size are, therefore, essential to protect the guns and advantage is taken of this circumstance to raise the magazines and shot rooms so as to dispense with lifts and thereby greatly expedite the service of the guns.

-2-

Substantially the same arrangement was carried out in several batteries built at San Francisco under my direction, with very satisfactory results and from the careful study given in the present case I feel assured that the protection will be ample. At the same time, the extended spacing of the guns enables a profile to be given the traverses that renders them quite inconspicuous. As arranged, the guns are in pairs, served from a double magazine and shot room. A heavy traverse at each end and one in the middle complete the battery and give shelter to guard and administration rooms as well as rooms for storage batteries, etc. In the arrangement of the magazine traverses, the powder rooms are somewhat lower than those for projectiles as the powder is supposed to be brought to the trucks by hand. The projectiles are in piles at right angles to the rear passage and short lines of trollies run the length of each pile and across the passage. Trucks are supposed to enter by the center door, stop under any trolley line desired and then keep on through the end doors and along the concrete sidewalk to the guns.

As our season for work is so very short, I have confined the plans submitted to the most general features. The details are, however, well understood and are being worked up as rapidly as possible, so as to enable work to begin as soon as the plans are approved. The estimate submitted has been made somewhat large in order to cover all various contingencies.

The plan now proposed^{is} to complete the battery from the right so as to include the second magazine traverse, leaving the left hand emplacement and end traverse for future allotments. As will be seen from the estimates quite a notable saving would be effected by build-

-3-

ing this last emplacement while the construction plant is in position. It is estimated that two seasons will be required to complete the battery.

Estimated Cost of Four (4) emplacements for 10 inch
rifles on disappearing carriages:

Excavation, 33788 yds. @ 60¢ -----	\$20,272.80
Fill, 33,288 @ \$35. -----	11,650.80
Trenching for drains, -----	3,000.00
Grading, sodding and seeding slopes, ----	7,488.00
Drains, manholes, &c., -----	4,740.00
Blind drains, -----	750.00
Concrete, 13,000. yds. @ 6.00 -----	78,000.00
Forms, -----	23,400.00
Finishing, waterproofing, & whitewashing, --	4,000.00
Ventilation -----	350.00
Steel beams, -----	3,500.00
Anchor bolts, -----	800.00
Ring bolts, -----	132.00
Trolleys, -----	1,280.00
Doors, 25 @ \$50.00 -----	1,250.00
Speaking tubes, -----	375.00
Fire places, -----	200.00
Conduits and lights, 75 outlets @ \$6.20 ---	465.00
Underground conduit, -----	2,225.00
Water supply, -----	700.00
Road, -----	6,000.00
Taking down forms, -----	500.00
Erecting and repairing plant, -----	8,000.00
Removing and storing plant, -----	600.00
Transportation, Tourist, etc. -----	11,000.00
Superintendence, -----	5,000.00
Office, and contingencies, 10% -----	19,567.86
	<u>\$215,246.46</u>

-4-

Estimated Cost of three (3) emplacements for 10 inch rifles
on disappearing carriages:

Excavation, 28157 yds @ 60¢-----	\$ 16,894.20
Fill, 27740 " " 35¢-----	9,709.00
Trenching for drains,-----	2,750.00
Grading sodding and seeding -----	7,364.00
Drains, manholes, &c. -----	4,240.00
Blind drains, -----	625.00
Concrete 11449 yds. @ \$6. -----	68,694.00
Forms -----	21,758.40
Finishing, waterproofing & whitewashing,--	3,500.00
Ventilation, -----	325.00
Steel beams, -----	3,300.00
Anchor bolts, -----	600.00
Ring bolts, -----	99.00
Trolleys, -----	1,280.00
Doors, 23 @ \$50. -----	1,150.00
Speaking tubes, -----	375.00
Fire places, -----	150.00
Conduits and lights, 70 outlets @ \$6.---	420.00
Underground conduit, -----	1,920.00
Water Supply, -----	700.00
Road, -----	5,583.33
Taking down forms, -----	450.00
Erecting and repairing plant, -----	8,000.00
Removing and storing plant, -----	600.00
Transportation, "Tourist", etc. -----	9,800.00
Superintendence, -----	4,500.00
Office and contingencies, 10% -----	17,478.69
	<u>\$192,265.62</u>

Very respectfully,

Your obedient servant,

Chas. R. Suter

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

1 inclo., tracing in sep. roll.

OFFICE OF CHIEF OF ENGINEERS

38665
MAY 2 1901

WAR DEPARTMENT

Forw.	U. S. Engineer Office, Section, Mass.	1901
268	Received MAY 11	

May 6, 1901.

Suter, Col. Chase R.

Reply to E. D. Watson of
Mar. 18 and April 25, 1901,
forwards plans and sets
for a battery of four
10" guns and six camps
at Fort Stanwix.
Estimated cost of four
emplacements - \$215,246.46

Estimated cost of three
emplacements - \$192,265.6

1 inc. E. D. Watson
Chas. 3 in Mass. - Br. 19, 24. 58d
Mar 17 - NWB

1st Indorsement.

Office Chief of Engineers,
U. S. ARMY.

May 10, 1901.

Respectfully returned to Colo-
nel Suter, approved.

The three emplacements selected
by Colonel Suter should be con-
structed in the order recommended,
as it is hoped that further funds
will be available for the fourth
emplacement before work on the
three is finished.

An allotment of \$182,500, in
addition to the \$10,000 already
allotted, is hereby made for the
construction of these emplacements
from the appropriation for "Gun
and Mortar Batteries", for con-
struction of gun batteries, Act of
March 1, 1901. The cost of these
emplacements, \$64,088 each, is
very high as compared with the av-
erage cost, \$46,294.54 per emplace-
ment, of ninety others which have
been already constructed elsewhere,
and if any reduction in cost is
possible as the work proceeds, as
is hoped by the Chief of Engineers,
advantage should be taken of the
opportunity to the fullest extent,
in order that the balance unex-
pended on this battery may be
placed at some other point where
funds are insufficient for the work
to be done.

In this connection, especial
attention is invited to Circular
No. 3, from this office, dated May
6, 1901.

These papers to be returned.

By command
of Brig. Gen. Gillespie:

William V. Abbot
Major, Corps of Engineers.

38665
2
Inclo. 3 in sep. roll.

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

May 14, 1901.
Respectfully returned to the
Chief of Engineers, U. S. Army.

Chas. R. Suter

Col., Corps of Engrs., U. S. A.
Forts 268.
1 Inclo. accomp. in sep. roll.

RECD. OFFICE CHIEF OF ENGRS. MAY 16 1901

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,

~~42-BOW-STREET,~~

~~PORTSMOUTH, N. H.~~

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,
BOSTON, MASS.

June 26, 1902.

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

General:

Referring to letter dated May 6, 1901, addressed to you by Col. Chas. R. Suter, Corps of Engineers, submitting estimates for a battery of four 10-inch rifles at Fort Standish, Lovells Island, Boston Harbor, Mass., and your indorsement of May 10, 1901, (38665/2), I have the honor to request that if practicable the difference in the amounts of Colonel Suter's estimates for three and four guns, namely \$23,000.00, be allotted for the construction of the fourth emplacement. The completion of this fourth emplacement will complete all of the heavy Engineer work planned for Fort Standish, and will enable me to take down the constructing plant and clear up the ground in the vicinity of the batteries.

Should the money not be allotted for the fourth 10-inch emplacement, the plant would either have to be left in position where it renders the vicinity of the battery unsightly or else taken down and re-installed for the construction of the fourth emplacement. The first alternative is certainly objectionable and the

-2-

second is very expensive. It is believed that the cost of the fourth emplacement will also be much less if built now than at any future time.

Very respectfully,

Your obedient servant,

Harry Taylor

Captain, Corps of Engineers.

Through Col. Chas. R. Suter,

Corps of Engineers,

Division Engineer of the Northeast Division.

28
43
FORT 51 - U.S. ENGINEER OFFICE,
BOSTON, MASS.
OCT 23 1902

38665

86
NORTHEAST DIVISION
ENGINEER OFFICE.
REC'D, N.Y., June 27 1902

OFFICE OF CHIEF OF ENGINEERS

82 38665
4
1902
WAR DEPARTMENT

Boston, Mass.,
June 26, 1902.

Taylor,
Captain Harry

Refg. to Col. Suter's ests. of
May 6, 1901, for a battery of four
10-inch rifles at Fort Standish,
Boston Harbor, Mass., and to Dept.
Indt. of May 10, 1901, reqs. an
allotment of \$23,000 for construc-
tion of the fourth empl. Thinks
the cost will be much less if
built now than at any future time.

File

Received 9-7 1902
SK

REC'D BACK, OFFICE CHIEF OF ENGRS. OCT 25 1902

1st indorsement.
NORTHEAST DIVISION
ENGINEER OFFICE.

New York, June 27, 1902.
Respectfully forwarded to the
Chief of Engineers, U. S. Army,
recommended for approval.

Chas. R. Suter
Colonel, Corps of Engineers,
Division Engineer.

86-1902.

2d indorsement.
Office Chief of Engineers,

U. S. ARMY.
October 20, 1902.

Respectfully returned to Captain
Taylor, who is authorized to con-
struct the fourth 10-inch emplace-
ment at Fort Standish. The em-
placement should be prepared to
receive a disappearing carriage,
L. F., model of 1901.

For the construction of this em-
placement, the sum of \$23,000 is
hereby allotted from the appro-
priation for "Gun and Mortar Bat-
teries," for construction of gun
batteries, Act of June 6, 1902.
This paper to be returned.

By command of Brig. Gen. Gillespie:

Chas. V. Clark
Major, Corps of Engineers.

38665
4

Through Col. CHAS. R. SUTER,
Corps of Engineers,
Division Engineer, Northeast Division.

3d indorsement.
NORTHEAST DIVISION
ENGINEER OFFICE.

New York, October 22, 1902.
Respectfully forwarded to Cap.
Harry Taylor, Corps of Engineers.

Chas. R. Suter
Colonel, Corps of Engineers,
Division Engineer.

86 - 1902.

4th indorsement.

U. S. Engineer Office,
Boston, Mass.
October 24, 1902.

Respectfully returned to
the Chief of Engineers.

Henry Taylor
Captain, Corps of Engineers.

28
23
43
Forts. B.

REC'D. OFFICE CHIEF OF ENGRS. OCT 25 1902

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,

~~42 BOW STREET,~~

~~PORTSMOUTH, N. H.~~

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,
BOSTON, MASS.

November 19, 1902

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

General:

1. Under date of May 6, 1901 (38665/2), my predecessor, Col. Chas. R. Suter, Corps of Engineers, submitted plans and estimate for four emplacements for 10-inch guns on disappearing carriages at Fort Standish, Mass., together with an estimate of the cost of the construction of three emplacements, and by indorsement of May 10, 1901, an allotment of \$182,500 was made for the construction of three of the emplacements, stating that further funds would probably be available for the fourth emplacement before work on the three was finished. On October 23, 1902, an allotment of \$23,000 was made, to be applied to the completion of the fourth emplacement of this battery.

2. As these four emplacements form one battery and as the construction work on all of them will be carried on simultaneously it will be impracticable to make a division of the expenditures into what should be applied to the three emplacements and what to the fourth emplacement, and for these reasons it is believed there should be but one allotment for the four emplacements. Further, the allotment of \$23,000 is but about one-half the cost of the whole emplacement as the third and fourth

C. of E. 2.

emplacements have a magazine and shell room common to both, and the balance of the cost of the fourth emplacement is included in the allotment for the other three.

3. I have therefore the honor to request that the title of the allotment be changed to "Four 10-inch gun emplacements at Fort Standish, Mass.", instead of "Three 10-inch gun emplacements at Fort Standish, Mass.". In my letter of the 4th instant, submitting estimate of funds required during the current month, the title of the allotment for the funds requested was submitted as "Four 10-inch gun emplacements", etc., but in Department letter of the 10th instant, advising me that application had been made for the remittance of the funds asked for, the title was changed to "Three 10-inch gun emplacements", etc. It is therefore respectfully requested that, beginning with the accounts for month of November, the various allotments for the construction of this battery be merged into one, the title to be: "Four 10-inch gun emplacements at Fort Standish, Mass.".

Very respectfully,

Your obedient servant,

Henry Taylor

Captain, Corps of Engineers

OFFICE OF CHIEF OF ENGINEERS

12 38665 1902

5

WAR DEPARTMENT

Boston Mass

Nov. 19, 1902.

Taylor Capt. Henry

Ref to allot. of \$23,000 for
construction of 10-inch gun
battery, at Fort Standish, State
Massachusetts, as the four empty
from one battery, & bal. of cost of
4th empty, is included in allot.
for the other three.
Regts, that, beginning with
Nov. 22, the various allotments in
measured into one title, "Four
"10-inch Gun Empty, at Ft.
Standish."

2-8	FORTIF- CATIONS, BOSTON.	U.S. ENGINEER OFFICE, BOSTON, MASS.
46	BOSTON.	NOV 24 1902

W. H. Smith

RECD. BUREAU OFFICE OF ENGRS. NOV 25 1902

482

1st indorsement.

OFFICE CHIEF OF ENGINEERS,

U. S. ARMY,

Nov. 22, 1902.

Respectfully returned, to
Captain Taylor, approved.
The title of the allot-
ment has been changed on the
books of this office.
To be returned.

By command of Brig. Gen. Gillespie:

W. H. Smith
Major, Corps of Engineers.

38665
5

2d indorsement.

U. S. Engineer Office,
Boston, Mass.

November 24, 1902.

Respectfully returned to the
Chief of Engineers:

W. H. Smith
Captain, Corps of Engineers.

28
46
RECD. OFFICE CHIEF OF ENGRS. NOV 25 1902

Forts. B

UNITED STATES ENGINEER OFFICE,

ROOM 1014, BARRISTERS HALL, 25 PEMBERTON SQUARE,

BOSTON, MASS.

February 4, 1904.

Brig. Gen. A. Mackenzie,
 Chief of Engineers, U.S. Army,
 Washington, D. C.

General:

1. Referring to the estimate amounting to \$215,246.46 for building four emplacements for 10-inch rifles on disappearing carriages at Fort Standish, Lovells Island, Boston Harbor, submitted from this office by letter of May 6, 1901, I have the honor to report that when the work was transferred to me August 31, 1903, there had been expended on the emplacements,--\$139,198.89; that since that date I have expended upon them,----- 63,757.95, of which \$13,550.69 was for outstanding liabilities incurred to August 31, and \$50,207.26 is accounted for as, follows:

*Concrete, 4198 cu.yds., @ \$8.26+-----	\$ 34,710.14
Excavation,-----	2,285.21
Waterproofing,-----	1,491.17
Drainage,-----	1,052.44
Iron work,-----	32.54
Electric system and speaking tubes,-----	734.64
Plant, tools, housing engines, fencing,-----	1,627.22
Maintenance of plant, watchman, oil and waste,-----	356.67
Water supply,-----	64.35
Proportionate part of expense of steamer "Executive",-----	1,704.33
Engineering and superintendence,-----	983.24
Cement, stone, sand and other building material on hand and paid for, but not expended,-----	5,165.31
	50,207.26

*The approximate cost of \$8.26+per yard for concrete includes the labor and part of the materials for the forms.

(2)

2. The estimated cost, amounting to \$56,023, of materials and labor for completing the battery, is as follows:

Excavation, 24,000 cu.yds., @ 90¢-----	\$21,600.00
Concrete, laying 1,000 cu.yds.(including purchase of about 200 yds.broken stone,300 yds.sand) magazine between guns Nos.6 and 7,-----	3,000.00
Form work for above,-----	150.00
Concrete for steps leading to platforms, also to complete gun plugs, 300 cu.yds.,@ \$10-----	3,000.00
Concrete for outside pavement foundations,400 cu. yds., @ \$8, -----	3,200.00
Pavement, outside and inside, 2,742 sq.yds.,@ \$2.188+	6,000.00
Manholes, 7 @ \$60 -----	420.00
Copper and placing (waterproofing)-----	800.00
Hanging doors,-----	150.00
Ditch excavation, 510 cu.yds.,@ \$1,-----	510.00
Laying and connecting drain and water pipes,-----	200.00
Water pipe and connections,-----	225.00
Lining rooms, cedar and brick (labor \$825.cedar \$225, brick 15,000 @ \$30)-----	1,500.00
Removing forms and cleaning up reservation,-----	1,700.00
Trolley beams, -----	200.00
Electric system,-----	3,775.00
Portion of running expenses and repairs of Stmr. "Executive", and handling material,-----	4,500.00
Superintendence, contingencies,etc.,-----	5,093.00
	<hr/>
	\$56,023.00

3. Sodding the slopes or covering them with loam for seeding will be so costly it is intended to sow them with oats and grass seed and although these will doubtless be largely replaced by weeds, as in the case of the 3 emplacements for 6-inch guns at this post, they will be in color and appearance like the ground about them.

4. The total estimated cost of the battery is therefore \$258,979.84, (viz.: . . .)

(3)

Amount expended, and outstanding liabilities
incurred to August 31, 1903,----- 152,749.58
Amount expended and applied since September 1, 1903,----- 100,207.26
Estimated cost of completing battery from
this date,----- 56,023.00
Total,----- \$258,979.84
Allotments made by E.D. Mar.30, May 11, 1901
and Oct.23, 1902 (38665),----- 215,500.00
Additional allotment required for completion, - \$ 43,479.84

5. I therefore respectfully request an additional allotment of \$43,479.84 for completing this battery.

As the balance available is only \$12,543 it is desirable that the additional allotment be made in time to prevent interruption to work, and so that the battery may be completed as early as practicable during the ensuing season.

Very respectfully,

Your obedient servant,

W. A. Stanton
Lient.Col., Corps of Engineers.

28 Forts B.

3d indorsement.

WAR DEPARTMENT,

OFFICE OF THE CHIEF OF ENGINEERS,

WASHINGTON.

March 11, 1904.
Respectfully returned to
Colonel Stanton; invitation to the inclosed copy
letter of this date addressed
Chief of Ordnance.
To be returned.

In command of Brig. Gen. MacKenzie:

Francis V. Dobb
Major, Corps of Engineers.

E.D. letter of Mch. 11/04,
of Ord. accomp.

4th indorsement,
S. ENGINEER OFFICE,

Boston, Mass.

March 15, 1904
Respectfully returned to the
Chief of Engineers.

W. A. Stanton
t. Col., Corps of Engineers.

OFFICE CHIEF OF ENGRS. MAR 16 1904

B.

WAR DEPARTMENT.

Boston, Feb. 4, 1904.

Stanton,

Lieut. Col. W. S.

REPRODUCED FROM THE NATIONAL ARCHIVES
requests additional allotment of 43,479.84, and in time to prevent interruption of work, the completion of the work of constructing 4 emplacements for 10-inch rifles on disappearing carriages at Fort Standish, Lovells Island, Boston Harbor.

28	FOR THE U.S. ENGINEER OFFICE,
63	CATINGS, BOSTON, MASS.
	FEB 11 1904

Feb. 11, 1904. *See letter to C. of C.*

1. BACK OFFICE CHIEF OF ENGINEERS MAR 18 1904

2. BACK OFFICE CHIEF OF ENGINEERS MAR 9 1904

1st Indorsement.

WAR DEPARTMENT,

OFFICE OF THE CHIEF OF ENGINEERS,

WASHINGTON.

February 9, 1904.

1. Respectfully returned to Lieutenant Colonel Stanton.

2. The Chief of Engineers regrets that there are no funds in his hands which can be allotted for the within purpose. Based on the estimates of the district officers, the entire last appropriation has been so assigned to the several districts as to provide emplacements for all the guns ordered from the Ordnance Department.

3. Lieutenant Colonel Stanton can apply the funds already allotted for battery construction in Boston Harbor in such manner as may seem to him best calculated to advance the general progress of the defense, provided he has all emplacements throughout his district (for which funds have been allotted) in such a condition as to be ready to receive every Ordnance Department base-ring prior to June 30, 1904.

4. The order of precedence of work (if any work must be left undone) should be—

- The concrete on which the gun carriages stand.
- The concrete composing the essential parts of the ammunition storage and service of all new batteries.
- The concrete parapets of such batteries.
- The earth parapets.

5. If there be special reasons to prevent the reception of any Ordnance material by June 30, 1904, at any proposed battery in his district, Lieutenant Colonel Stanton should at once inform the Chief of Engineers, so that proper arrangements may be made by the Ordnance Department to provide for storing its material till the Engineer Department is ready to receive it. If possible to avoid such a contingency, the Chief of Engineers desires to avoid it, as it has been almost always possible for this Department to keep ahead of the Ordnance Department, and thus avoid all cost for storage.

6. In case sufficient additional funds are appropriated for battery construction at the present session of Congress, the amount estimated within will be allotted for the completion of the battery. When such allotment is made, any other allotments from which funds have been advanced for work on this battery can be reimbursed on Lieutenant Colonel Stanton's books.

7. This paper to be returned.

By command of Brig. Gen. MacKenzie:

Francis V. Clark
Major, Corps of Engineers.

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2d Indorsement,
U. S. ENGINEER OFFICE,
Boston, Mass.

March 7, 1904.

1. Respectfully returned to the Chief of Engineers.

2. The four emplacements for 10-inch guns at Fort Standish are now ready to receive the base rings, and it is very desirable that the latter be received by May 1st, so that they may be transported from the wharf to the emplacements on the railroad, at a very material saving in cost, before the track is removed to Fort Strong.

3. It is expected that all other emplacements for which funds have been allotted in this district will be ready to receive the base rings or the pedestals (for the 3-inch guns), by June 30.

Lieut. Col. Corps of Engineers.

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Forts. B.