

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

45088

Ft. Wetherill

Btty Zook

Subject: Plans and estimates-3 6"r.f.guns near Ft. Wetherill. 38-3778

U. S. Engineer Office,

Newport, R. I., April 11, 1903.

Brig. Gen. G. L. Gillespie,

Chief of Engineers, U. S. Army,

Washington, D. C.

General:

1. In compliance with instructions contained in Department letter of November 15, 1902, E.D.F.M.No.45088, I have the honor to submit herewith plans and estimates for the construction of emplacements for three 6-inch r.f.guns on disappearing carriages on Conanicut Island, west of Fort Wetherill.

2. The sites available for the 6-inch rapid-fire armament still remaining to be built in this vicinity are: between the present 6-inch gun battery and the 12-inch gun battery under construction, approximately the site occupied by the Shoemaker house, and approximately the site occupied by the Charles Wharton house. After consideration of the three sites and the number of guns to be emplaced, I have decided to adhere to the original project and to place the three 6-inch guns in the space between the 6-inch gun battery and the 12-inch gun battery. While this space will be somewhat contracted, it will be no more so than to place them in the vicinity of the Shoemaker property.

3. The estimates are prepared on the basis of carrying the gun platforms to rock foundation and building up to the concrete level with rubble masonry, the stone for the rubble being secured either from the excavation or from the immediate vicinity of the

battery,

4. The unit prices are approximately the same as those for batteries nearing completion in this locality, though the price of cement and broken stone, together with the cost for labor, has materially increased within the past year.

Material & Labor.	Quantity.	Price.	Cost.
Excavation-earth,	2000 cu.yds.	\$ 0.50	\$ 1,000.00
hard pan,	1050 " "	1.00	1,050.00
rock,	1252 " "	1.75	2,191.00
Embankment-from excavation	3500 " "	0.50	1,750.00
to be bought,	5900 " "	1.00	5,900.00
Sodding,	2920 sq."	0.50	1,460.00
Crushed stone,	320 cu."	2.50	800.00
Concrete-Portland facing,	300 " "	12.00	3,600.00
Portland Grade I	2900 " "	8.00	23,200.00
Portland Grade II	700 " "	5.00	3,500.00
Portland Grade III	2000 " "	4.00	8,000.00
Forms,			3,000.00
Brickwork,facing,	6100 sq.ft.	0.60	3,660.00
walls,	152 cu.yds.	20.00	3,040.00
Terra cotta tiles,	1500 sq.ft.	0.35	525.00
Waterproofing,	1000 sq.yds.	2.00	2,000.00
Anchor bolts and ring bolts,	42	7.00	294.00
Twisted steel bars & I beams,	10000 lbs.	0.05	500.00
Doors, windows & frames, (iron)	25	90.00	2,250.00
Speaking tubes & fixtures,	800 ft.	0.60	480.00
Hand rails, (iron,)	80 "	1.80	144.00
Corners (cast iron)	36	10.00	360.00
Ventilators,	12	8.00	96.00
Gratings,	18	4.00	72.00
Manholes & covers,	7	70.00	490.00
Elect. conduits,	1000 ft.	0.70	700.00
Drainage,	750 "	0.60	450.00
Water supply, pipes,	660 "	0.60	396.00
hydrants,	9	20.00	180.00
Sand (for roadway,)	72 cu.yds.	1.25	90.00
Painting,	1825 sq.ft.	0.04	73.00
Plant,			2,309.00
Forwarded,			\$73,560.00

Brought forward,	\$ 73,560.00
Guns, moving & mounting,	<u>1,500.00</u>
	\$ 75,060.00
Engineering and contingencies,	<u>6,000.00</u>
Total,	\$ 81,060.00

Very respectfully,

Your obedient servant,

Major, Corps of Engineers, U. S. A.

1 inclo.

Thro' Col. Chas. R. Suter,

Corps of Engineers, U.S.A.,

Division Engineer, Northeast Division.

215 4 1902

Apr. 12, 1902

45088

3

Newport, R. I.,
April 11, 1903

WAR DEPARTMENT

Goethals,
Major Geo. W.

REPRODUCED AT THE NATIONAL ARCHIVES

In compl. with Dept. letter
Nov. 15, 1902, submits plans and
ts. for empls. for three 6-inch
F. Guns, dis. carr., on Conanicut
land west of Fort Wetherill.
For reasons stated locates
em between the 6-inch and 12-
inch batteries.
Estimates, based as stated,
\$81,060.

1 incl. 5 (tr.) in sep. roll.

1 incl. 5 (tr.) in sep. roll.

1st

DIVISION

OFFICE

April 13, 1903.

Respectfully forwarded to the
Chief of Engineers, U. S. Army,
by direction of Colonel Suter,
in his absence.

Wm. B. Suter
Clerk.

215, 1902.

Incl. 5 (tr.) in sep. roll.

2d indorsement.

Office Chief of Engineers,

U. S. ARMY.

April 16, 1903.

Respectfully returned to Major
Goethals, approved.
2. On January 27, 1903, the sum
of \$1,000 of the provisional al-
lotment made November 15, 1902,
from the appropriation for "Gun
and Mortar Batteries," for con-
struction of gun batteries, Act of
June 6, 1902, was made available
for expenditure in the preparation
of plans for these emplacements.
The remainder of this provisional
allotment, \$53,000, is hereby made
available, and the additional sum
of \$27,100 is allotted from the
same appropriation and Act, to be
applied to the construction of
these three emplacements.

3. These papers to be returned.
By command of Brig. Gen. Gillespie:

Frederick W. Suter
Major, Corps of Engineers.

45088

3

Incl. 4 in sep. roll.

Through Col. CHAS. R. SUTER,

Corps of Engineers.

Division Engineer, Northeast Division.

Frederick W. Suter
Apr. 15, 1903

3rd

April 18, 1903.

Respectfully forwarded to Maj.

Goethals.

By direction of Colonel Suter,
in his absence.

Wm. B. Suter
Clerk.

215, 1902.

4

Incl. 5 (tr.) in sep. roll.

4th indorsement.

U. S. ENGINEER OFFICE,

NEWPORT, R. I. April 30, 1903

Respectfully returned to the Chief
of Engineers, U. S. Army, the neces-
sary record having been made.

Major, Corps of Engineers.

Frederick W. Suter
Apr. 15, 1903

Thro' Col. Chas. R. Suter,
Corps of Engineers, U. S. A.,
Division Engineer, Northeast Division.

38-3870 *Frederick W. Suter* May 2, 1903

5th indorsement.

NORTHEAST DIVISION
ENGINEER OFFICE.

NEW YORK, May 4, 1903

Respectfully forwarded
to the Chief of Engineers,

Frederick W. Suter

Frederick W. Suter
Colonel, Corps of Engineers.

Division Engineer

215 1902

45088 (tr.) in sep. roll.
RECEIVED OFFICE OF ENGRS. MAY 5 1903

Shalo. H. account 7.