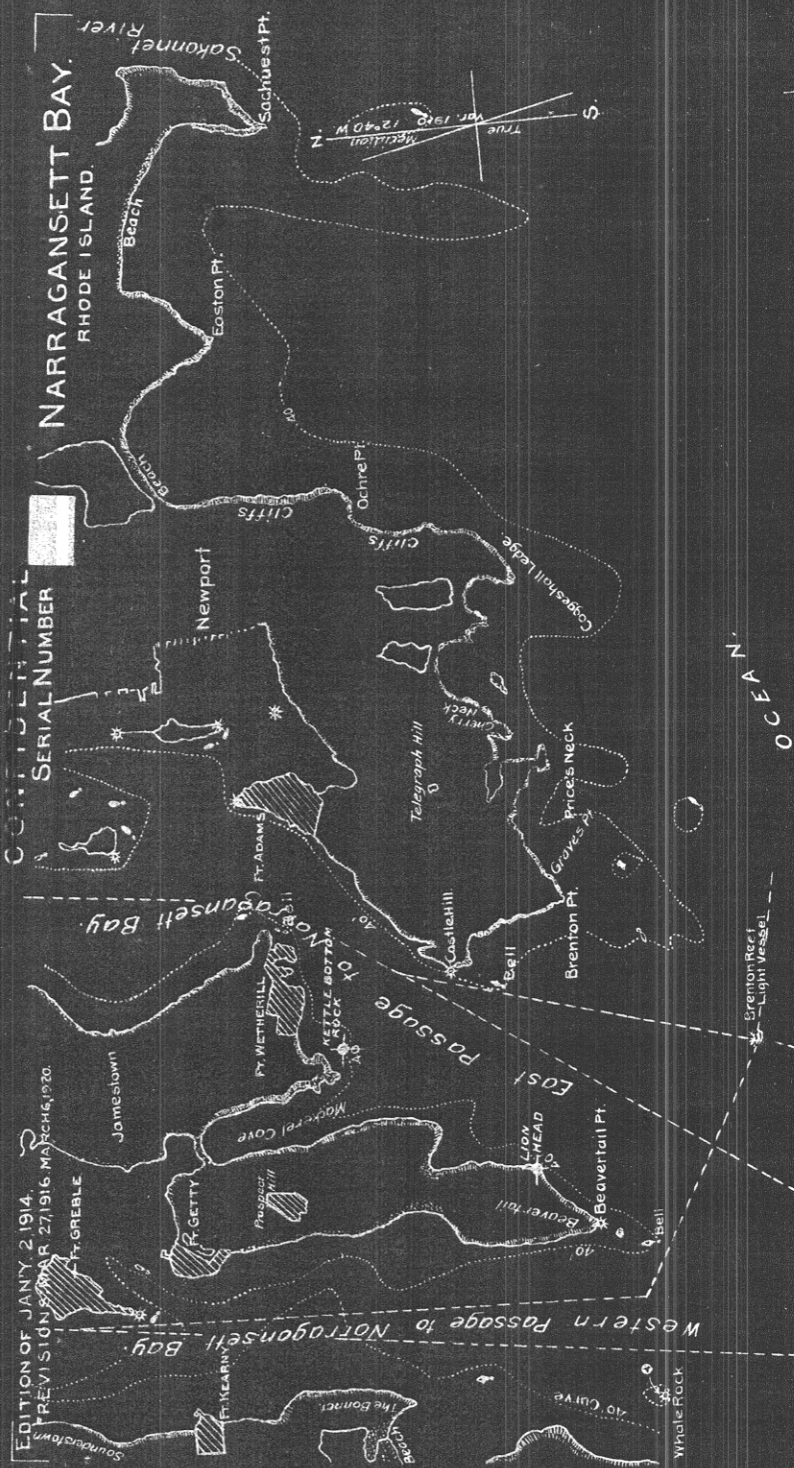




EDITION OF JANUARY 2 1914.
 PREVISIONS WAR 27 1916 MARCH 16 1920.

CONFIDENTIAL
 SERIAL NUMBER

NARRAGANSETT BAY.
 RHODE ISLAND.

TIDE NEWPORT - M.L.W. + 3.75 FT.
 LAST PASSAGE - OVER 40 FT. WEST PASSAGE = 40 FT. NARROW TO FT. GREBLE.

ATLANTIC



EDITION OF JAN. 2, 1914. BELTON REVISIONS DEC 7, 1915 MAR 27, 1916
 SERIAL NUMBER [REDACTED]
 MARCH 1, 1920 MAR 23, 1921.
 0 100 200 300 400 500 600
 1000 FT.
 True Meridian
 for 1910, 12 40 W.
 Plane of Reference M.L.W.

NARRAGANSETT BAY, R.I.
FORT ADAMS.

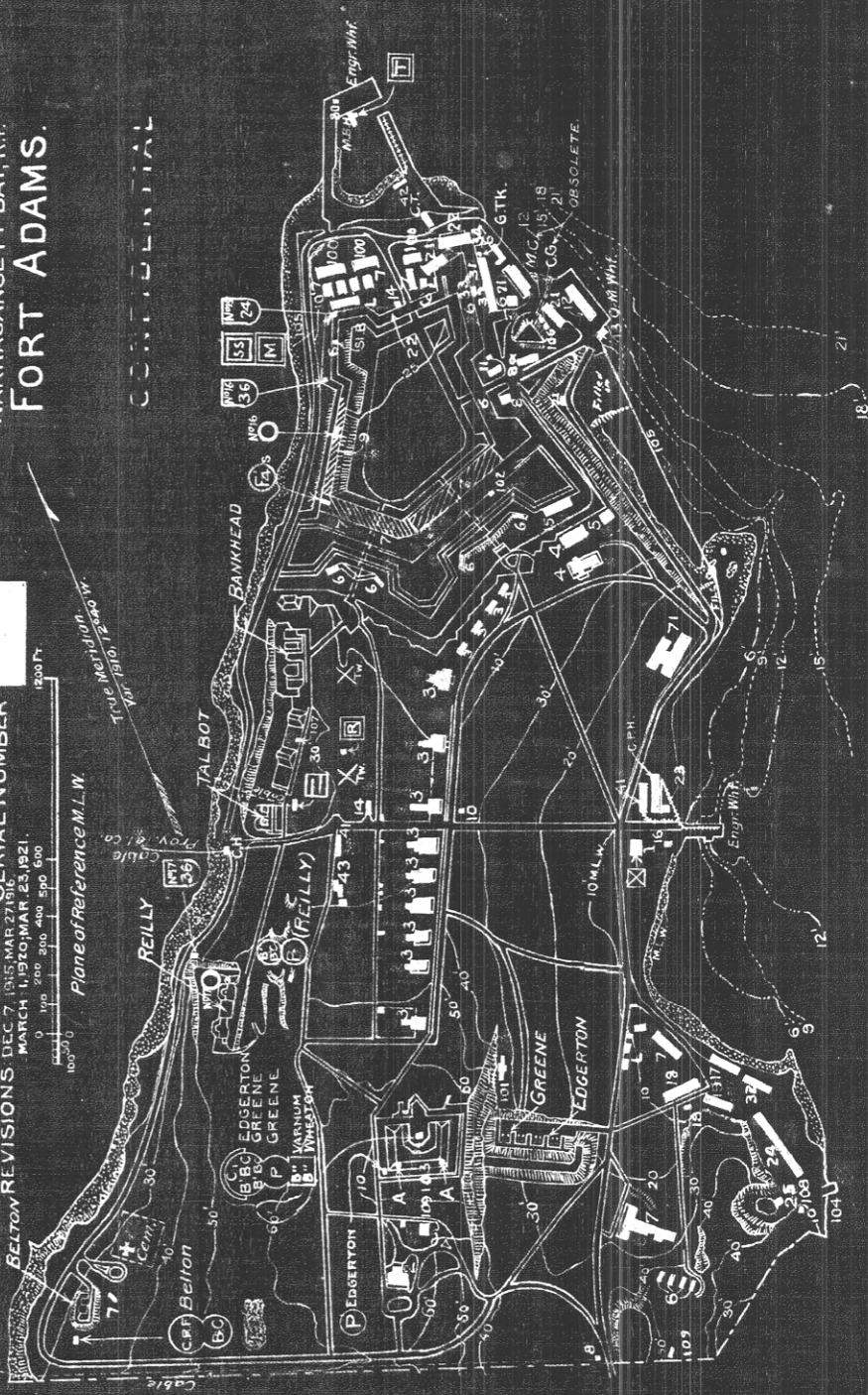
- 41. STOREHOUSE, E.D.
- 42. STOREHOUSE & SHOP, L.D.
- 43. E.D. QUARTERS
- 71. SERVICE CLUB.
- 80. FOG BELL AND LIGHT.
- 23. Q.M. SHOPS.

LEGEND.

- 1. ADMINISTRATION BLDG.
- 2. COMMANDING OFFICERS QRS.
- 3. OFFICERS QUARTERS.
- 4. HOSPITALS.
- 5. HOSPITAL STWD. QRS.
- 6. N.C.O. QUARTERS.
- 7. BARRACKS.
- 8. GUARD HOUSE.
- 9. POST EXCHANGE & GYM.
- 10. BAND STAND.
- 11. BAKERY.
- 12. COAL SHED.
- 13. OIL SHED.
- 14. FIRE APPARATUS HOUSES.
- 15. WOOD SHED.
- 16. POST OFFICE.
- 17. WAGON SHED.
- 18. GARAGE; M.T.C.
- 19. WAGON SHED AND HOST.

LEERS QUARTERS.

- 100. WESS' MALLS.
- 101. SHELL HOUSE.
- 102. TAILOR SHOP.
- 103. REDOUBT.
- 104. FORAGE DOCK.
- 105. SEA WALL.
- 106. TOOL HOUSES.
- 107. GREEN HOUSE.
- 108. PIGEON LOFT.
- 109. STABLES.
- 21. Q.M. STORE HOUSES.
- 22. C.S. STORE HOUSE.
- 24. Q.M. STABLES.
- 25. Q.M. BLACKSMITH SHOP.
- 31. ARTILLERY ENGINEER.
- 32. ORDNANCE STOREHOUSE.
- 33. Q.M. GARAGE.
- 34. GASOLINE TANK.



BATTERIES.

- EDGERTON. 4-12" M.
- GREENE. 4-12" M.
- REILLY. 2-10" DIS.
- BANKHEAD. 3-6" P.*
- TALBOT. 4-4.7" P.
- BELTON. 2-3" P.

A-ANTI-AIRCRAFT GUNS 2-3"
 *Armament removed
 " obsolete

- LEGEND.
1. OFFICERS ORS.
 2. HOSPITAL.
 3. BARRACKS.
 4. GUARD HOUSE.
 5. WOOD SHED.
 6. MESS HALLS.
 7. GARAGE.
 8. FIRE APPARATUS HO.
 9. STORE HOUSE.
 10. ROCK FILL EMBANKMENT.
 11. OFFICE, E.D.
 12. STORE HOUSE, E.D.
 13. Y.M.C.A.

EDITION OF JAN Y 2 1914.
REVISIONS: DEC 27 1915; MAR 27 1916;
MAR 1 1920; MAR 23 1921.

SERIAL NUMBER

NARRAGANSETT BAY, R.I.
FORT GETTY.

BATTERIES.
TOUSARD 3-12" DIS
HOUSE 2-6" P
WHITING 2-3" P.

1200 FT.

800

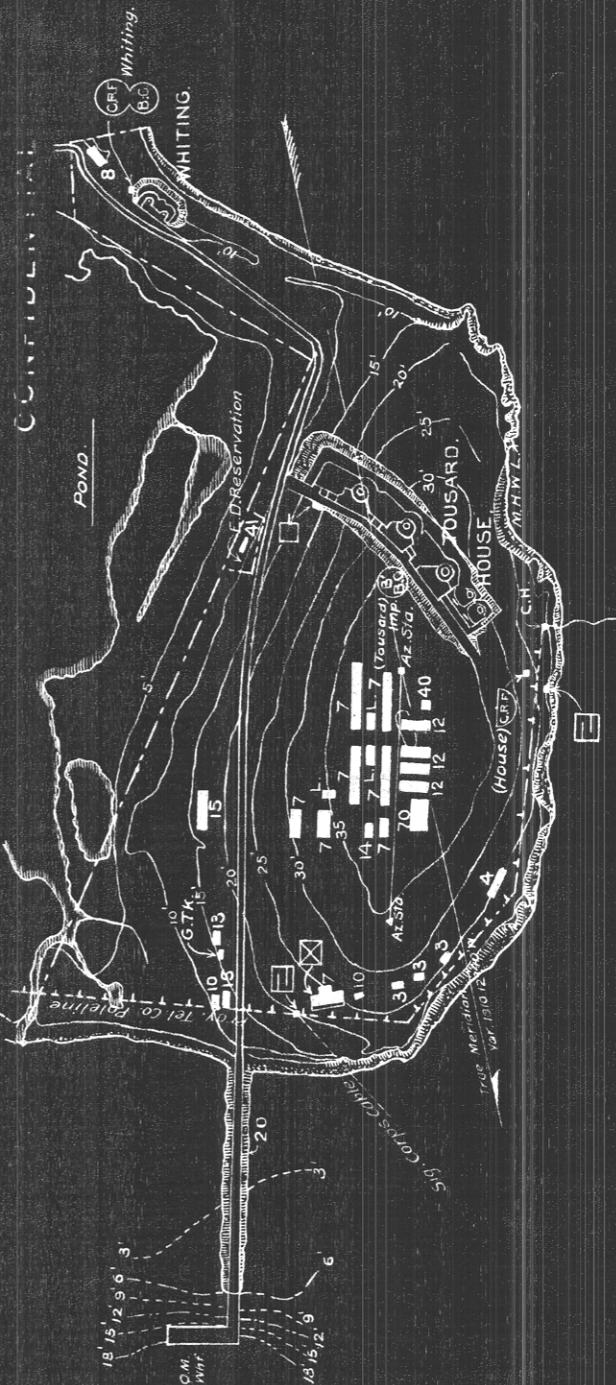
400

200

100

0

Plane of Reference M. L. W. (approx.)



NARRAGANSETT BAY, R.I.
FORT GREBLE.

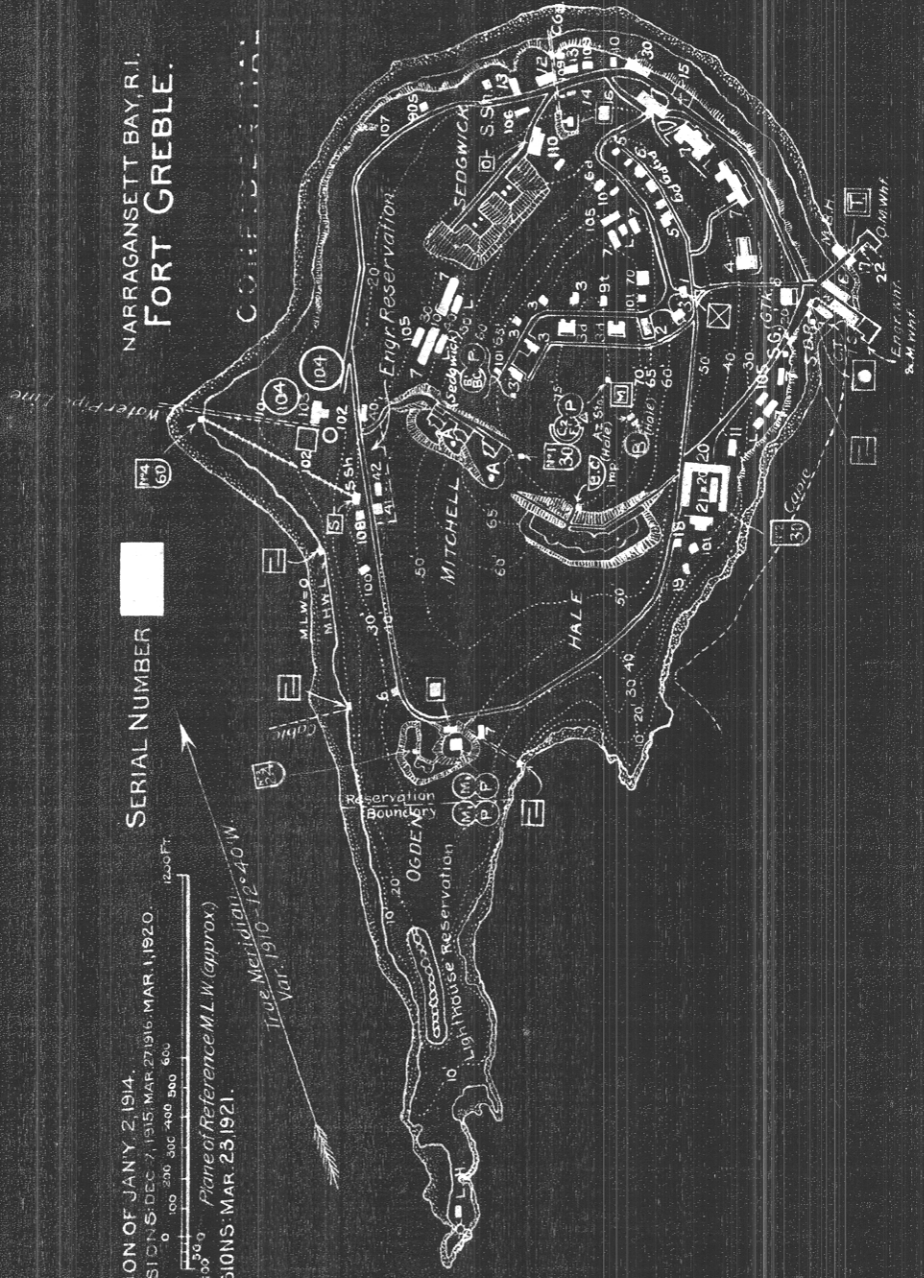
42 E.D. CARPENTER
 SHOP & ST. HOUSE.
 70 Y.M.C.A.
 90 S. GARAGE.
 110 CARPENTER SHOP.

EDITION OF JAN. 2, 1914.
 REVISIONS DEC. 7, 1915; MAR. 27, 1916; MAR. 1, 1920.
 100' 200' 300' 400' 500' 600'

LEGEND.
 1. ADMINISTRATION BLDG.
 2. COMMANDING OFF. QRS.
 3. OFFICERS' QUARTERS.
 34. DOUBLE OFFICERS' QRS.
 4. HOSPITAL.
 5. " STW'D. QRS.
 6. N.C.O. QUARTERS.
 64. DOUBLE N.C.O. QRS.
 7. BARRACKS.
 8. GUARD HOUSE.
 91. POST EXCHANGE.
 10. FIRE STATION.
 11. BAKERY.
 12. STABLE.
 13. WAGON SHED.
 14. SPECIAL DUTY MENS QRS.
 15. CEMETERY.
 16. COAL SHED.
 17. WAITING ROOM.
 18. BLACKSMITH SHOP.
 19. OIL SHED.
 100. PLUMBERS QRS.
 101. GARAGE.
 102. RESERVOIR SHELTERS.
 103. PUMP HOUSE.
 104. COVERED RESERVOIR.
 105. MESS HALL.
 106. MILITIA EQUIPMENT STOREHOUSE.
 107. TARGET BUTT.
 108. QUARTERS ENGR.
 109. WOOD SHED.
 20. Q.M. AND C.S. ST. HO.
 21. Q.M. ST. HO. & ART. ENGRS.
 22. FERRY SLIP.
 30. ORDNANCE ST. HOUSE.
 40. OFFICE, E.D.
 41. BLACKSMITH SHOP E.D.

True Meridional
 Var. 1910-12° 40' W.

1250 FT.



BATTERIES.
 SEDGWICK 4-12" M.
 HALE 3-10" DIS.
 * MITCHELL 3-6" "
 * OGDEN 2-3" P.
 A. ANTI-AIRCRAFT GUNS 2-3"
 * Dismounted.

EDITION OF MAR 27, 1916.
 REVISIONS: MAR. 1, 1920; MAR. 23, 1921.

SERIAL NUMBER

NARRAGANSETT BAY, R.I.
FORT WETHERILL.

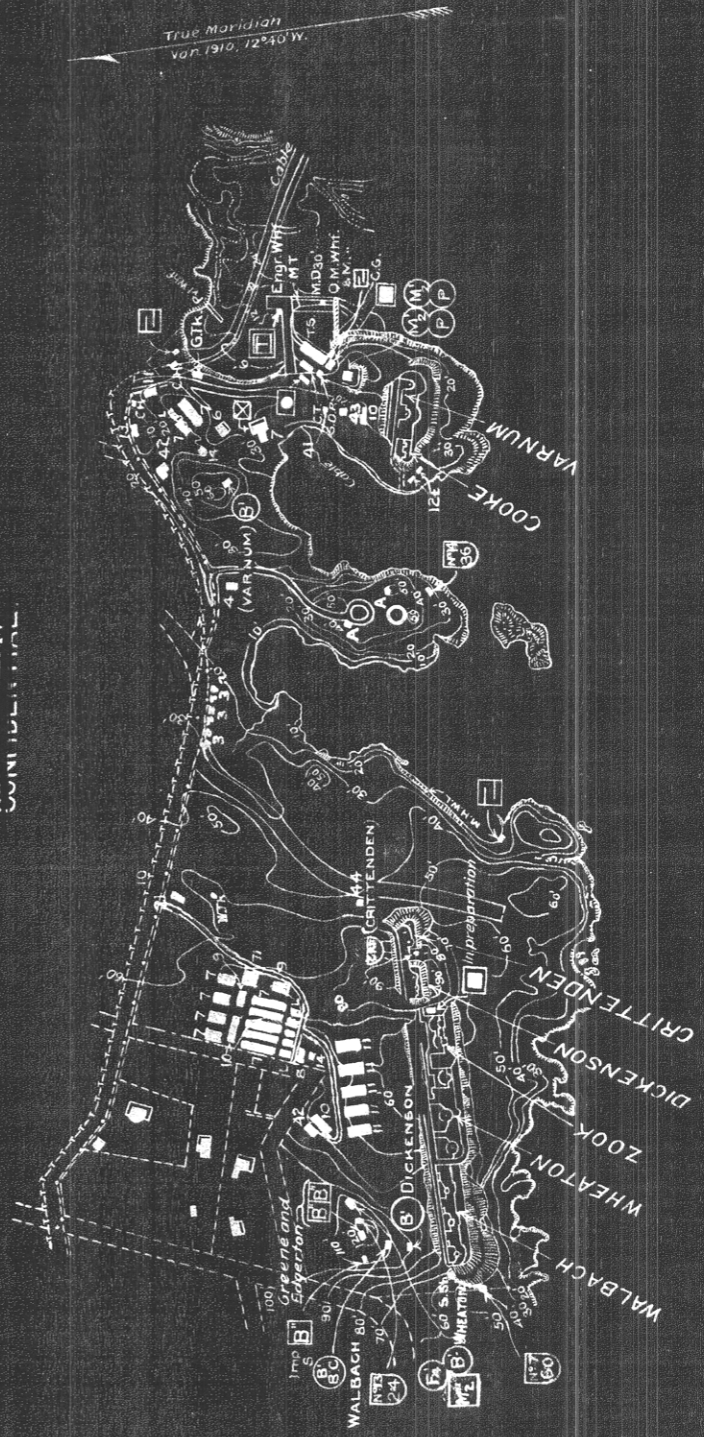
CONFIDENTIAL

LEGEND.

1. OFFICER'S QUARTERS.
2. HOSPITAL.
3. BARRACKS.
4. GUARD HOUSE.
5. POST EXCHANGE.
6. STOREHOUSES.
7. MESS HALLS.
8. CAMP BUILDINGS.
9. GARAGE.
10. FIRE APPARATUS.
11. Q. M. STONE CRUSHER.
12. E. D. TOOL HOUSE.
13. E. D. STOREHOUSE.
14. E. D. STOREHOUSE AND SHOP.
15. Y. M. C. A.
16. E. D. STONE CRUSHER.

- BATTERIES.**
- VARNUM 2-12" NDIS.
 - WHEATON 2-12" Dis.
 - *WALBACH 2-10" .
 - †ZOOK
 - DICKENSON 2-6" P.
 - CRITTENDEN 2-3" P.
 - †COOKE 2-3" P.
 - *No. 3 dismounted.

† Obsolete.
 A Anti-aircraft guns 2-3"



PLANE OF REFERENCE M. L. W.

LEGEND

1. ADMINISTRATION BLDG.
2. OFFICERS QRS.
3. HOSPITAL.
4. BARRACKS.
5. GUARD HOUSE.
6. STORE HOUSE.
7. OLD WELL.
8. MESS HALL.
9. GARAGE.
10. FIRE APPARATUS HO.
11. PUMP SHELTER.
12. STABLE.
13. PUMP HOUSE. Q.M.
14. OLD STONE ST. HO. E.D.
15. OLD SHOP E.D.

SERIAL NUMBER

CONFIDENTIAL

EDITION OF JAN. 2, 1914.

REVISIONS, DEC. 7, 1915; MAR. 27, 1916.

MAR. 1, 1920; MAR. 23, 1921.

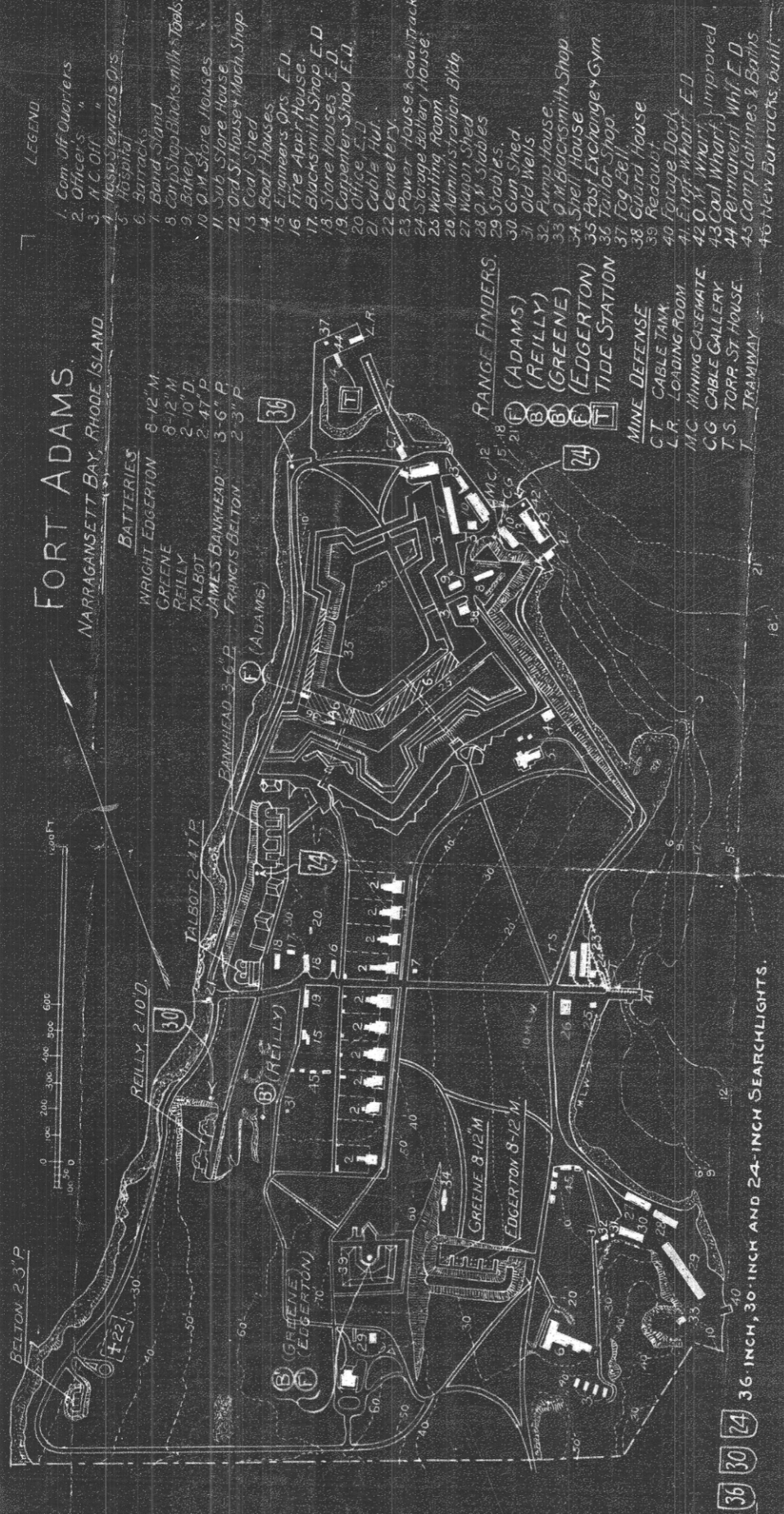
NARRAGANSETT BAY, R.I.

FORT PHILIP KEARNY

BATTERIES.
* FRENCH. 4-6" Dis.
GRAM. 2-6" "
ARMISTEAD 2-3" P.
* DISMOUNTED.



True Meridian
Var. 1910, 12° 40' W.



36 30 24 36-INCH, 30-INCH AND 24-INCH SEARCHLIGHTS.

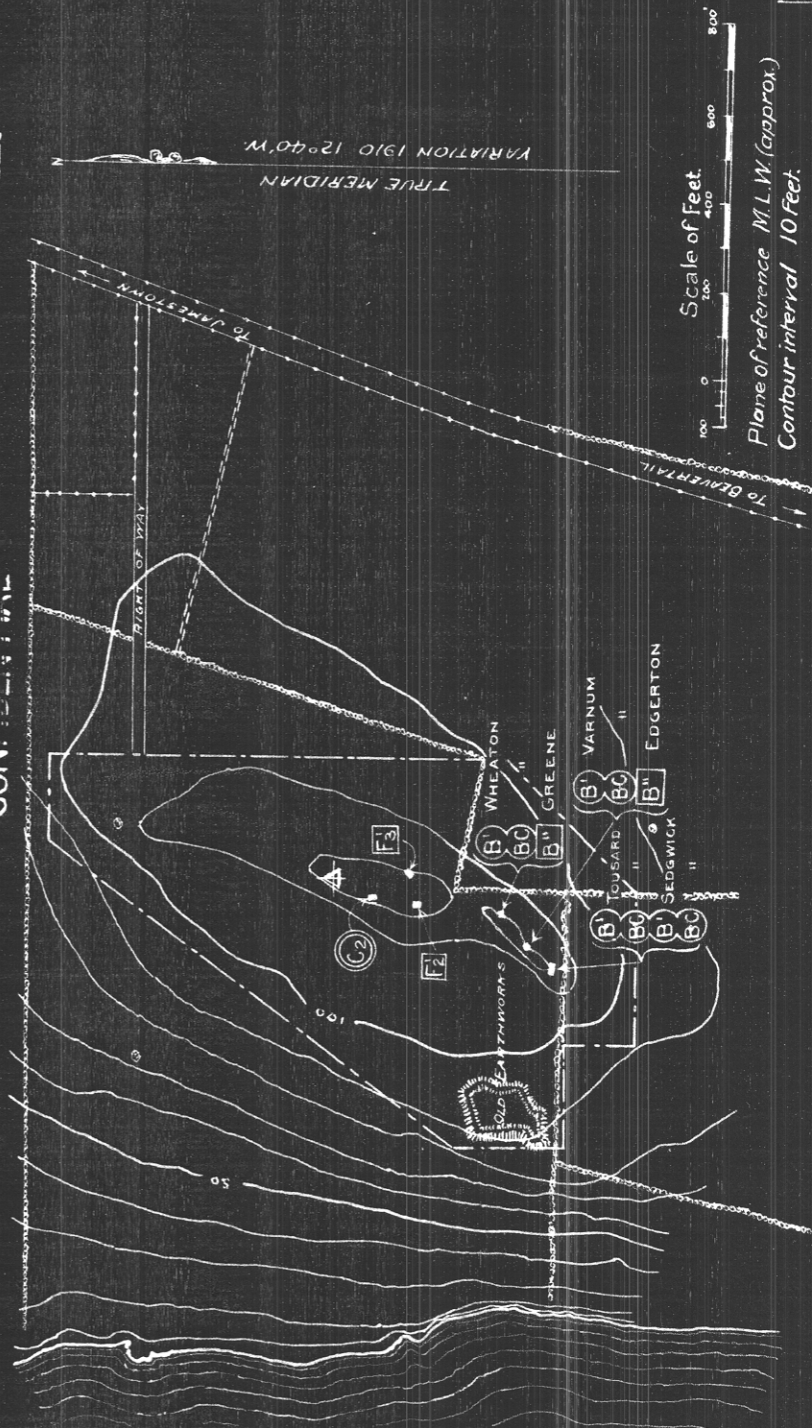
EDITION OF MARCH 8, 1920.
 REVISIONS, MAR. 23, 1921.

SERIAL NUMBER



CONFIDENTIAL

NARRAGANSETT BAY, R.I.
 PROSPECT HILL.



Ledger - 1.
Batteries
NARRAG. BAY
(Adams).

FORT ADAMS

BATTERY GREENE:

Guns: 8 12-inch mortars, model of 1890ML. (j-1).

Carriages: Model of 1896ML. (j-1)

Status: Projectile: None. (j-1).

Powder: None. (j-1)

Remarks: Four mortars ordered dismantled and prepared for shipment.
(j-6). Shipped May 23, 1918. (j-8).

Trans. to Arty. May - 1898 (R.C.M.).

Ledger - 2
Batteries
NARRAGANSETT BAY
(Adams).

BATTERY EDGERTON:

Guns: 8 12-inch mortars, model of 1890ML. (j-1)

Carriages: Model of 1896ML (j-1)

Status: Transferred May, 1898. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: December 20, 1917, Commanding Officer, Middle Atlantic Coast Artillery District, Boston, was directed to dismount and ship to Sandy Hook Proving Ground one mortar and one carriage (j-5) Shipped in February 1918. (j-5) (j-8). (Three mortars ordered dismounted and prepared for shipment (j-6). Shipped May 23, 1918 (j-8)

Ledger - 3.
Batteries
NARRAGANSETT BAY
(Adams)

BATTERY REILLY:

Guns: 2 10-inch B. L. Rifles, model of 1888MII. (j-1).

Carriages: Dis. model of 1896. (j-1)

Status: Transferred June 15, 1899. (j-1).

Hoists: Projectile: Two Taylor-Raymond front delivery. (j-1)

Powder: None. (j-1).

Remarks: Ordered dismounted for use abroad. (j-9).

Guns removed - 1917 (RCM)

Ledger - 4
Batteries
NARRAGANSETT BAY
(Adams)

BATTERY BANKHEAD

Guns: 3 - 6-inch Armstrong R.F.

Carriages: Barrette

Status: Trans. to Arty. July 31-1907 (RCW)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: The 3 6-inch Armstrong r.f.guns with carriages formerly at Battery Bankhead were shipped to Honolulu. (j-1)

Ledger - 5.
Batteries
NARRAGANSETT BAY
(Adams)

BATTERY TALBOT:

Guns: 2 4.7 Armstrong r.f. guns, (j-1).

Carriages: Armstrong pedestal mounts. (j-1)

Status: Transferred January 17, 1899. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: Guns to be scrapped (j-12).

Ledger - 6
Batteries
NARRAGANSETT BAY
(Adams)

BATTERY BELTON:

Guns: 2 3-inch r.f.guns, model of 1903. (j-1)

Carriages: Barbette carriages, model of 1903. (j-1)

Status: Transferred July 31, 1907. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks:

Ledger - 7
Batteries
NARRAGANSETT BAY
(Wetherill)

FORT WETHERILL

BATTERY VARNUM:

Guns: 2 12-inch B.L. Rifles, model of 1888. (j-1)

Carriages: Non-dis., model of 1892. (j-1)

Status: Transferred February 15, 1901 (j-1)

Hoists: Projectile: Two Taylor-Raymond front delivery. (j-1) *7 ordered (j-1)*

Powder: None. (j-1)

Remarks:

Ledger - 8.
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY WHEATON:

Guns: 2 12-inch B. L. Rifles, model of 1900. (j-1).

Carriages: Disappearing, model of 1901. (j-1).

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: Two Hodges back delivery. (j-1).
1 12-inch T. R. back delivery hoist ordered to replace
Hodges hoist in Emplacement No. 1. Funds for instal-
lation allotted April 4, 1916. (j-4). *Remodeled (RCM)*

Powder: None. (j-1)

Remarks:

Ledger - 9.
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY WALBACH:

Guns: 3 10-inch B. L. Rifles, model of 1888MIL. (j-1).

Carriages: 3 Disappearing, 1 model of 1901, and 2 model 1896 (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: Three Hedges back delivery. (j-1) 2 to be replaced.
T. R. back delivery hoists. (j-2). *Replaced (RCM)*

Powder: None. (j-1).

Remarks: Ordered dismantled for use abroad. (j-9)
2 guns to be remounted. (j-11).

1 " Remmed - 1918 (RCM)

Ledger - 10
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY ZOOK:

Guns: 3 6-inch r. f. guns, model of 1903. (j-1)

Carriages: Disappearing carriages, model of 1903. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: Ordered dismantled for use abroad. (j-9).

*Guns removed - 1918 (RCM)
Carriages retained (RCM)*

Ledger - 11
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY DICKINSON:

Guns: 2 6-inch r.f.guns,model of 1900. (j-1)

Carriages: Barbette, model of 1900. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: Two Hodges back delivery. (j-1)

Powder: None. (j-1)

Remarks:

Ledger - 12
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY CRITTENDEN:

Guns: 2 15-pdr. r.f.guns, model of 1902. (j-1)

Carriages: Barbette, model of 1902. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks:

Ledger - 12.1
Batteries
NARRAGANSETT BAY
(Wetherill)

BATTERY COOKE:

Guns: 2 3-inch r. f. guns, model of 1898. (j-1)

Carriages: Balanced pillar mounts. Model 1898. (j-1).

Status: Transferred February 15, 1901. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: Guns to be removed; carriages salvaged. (j-13).

Removed (RCN)

Ledger - 12.2
Batteries
NARRAGANSETT BAY
(Wetherill)

Guns: 2 3-inch anti-aircraft. Provided for in 1917 estimates (j-3).

Carriages: *a.a. mount 1917*

Status: Board of Review project. (j-3).

Remarks: Plans prepared. (m-1).

Trans. Oct. 29-1921 (RCN)

Ledger - 13.2
Batteries
NARRAGANSETT BAY
(Getty).

BATTERY HOUSE:

Guns: 2 6-inch r. f. guns, model of 1900. (j-1)

Carriages: Barbette, model of 1900. (j-1)

Status: Transferred June 7, 1910. (j-1)

Hoists: Projectile: Two Hedges back delivery. (j-1). *Remodeled (RCN)*

Powder: None. (j-1)

Remarks: 2 6-inch guns have been shipped to Morgan Engineering Works (j-7). Ordered dismounted for use abroad. (j-7)
Ordered dismounted for use abroad. (j-9).
To be remounted. (j-1).

Ledger - 13.1
Batteries
NARRAGANSETT BAY
(Getty).

FORT GETTY

BATTERY TOUSARD:

Guns: 3 12-inch B.L. Rifles, model of 1900. (j-1)

Carriages: Disappearing, model of 1901. (j-1)

Status: Transferred June 7, 1910. (j-1).

Hoists: Projectile: Three Hedges back delivery. (j-1)
2 12-inch T. R. back delivery hoists ordered to replace
Hedge hoists in Emplacements Nos. 1 and 3. Funds for
installation allotted April 4, 1916. (j-4). *Remodeled (RCN)*

Powder: None. (j-1).

Remarks:

Ledger - 23 13.3
Batteries
NARRAGANSETT BAY
(Getty)

BATTERY WHITING:

Guns: 2 15-pdr. r.f.guns, model of 1903. (j-1)

Carriages: Barbette, model of 1903. (j-1)

Status: Transferred June 7, 1910, (j-1)

Hoists: Projectile: None.. (j-1)

Powder: None. (j-1)

Remarks:

Ledger - 14.
Batteries
NARRAGANSETT BAY
(Greble).

FORT GREBLE

BATTERY SEDGWICK:

Guns: 4 12-inch mortars, model of 1890MI. (j-1)

Carriages: Model of 1896MI. (j-1)

Status: Transferred January 23, 1901. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: ~~Four~~ ^{Two} mortars, model 1890 ordered dismantled and prepared for shipment (j-6). Shipped June 4, 1918. (j-8).

Ledger - 15.
Batteries
NARRAGANSETT BAY
(Greble)

BATTERY HALE:

Guns: 3 10-inch B. L. Rifles, model of 1888MII. (j-1)

Carriages: Disappearing model of 1896. (j-1)

Status: Transferred June 6, 1898. (j-1)

Hoists: Projectile: Three Taylor-Raymond back delivery. (j-1) *Remounted/RCW*

Powder: None. (j-1)

Remarks: 1 rifle ordered dismounted. Shipped June 18, 1918. (j-10)
Remaining armament listed for removal. (M-3).
To be remounted and retained. (j-11).

Ledger - 16
Batteries
NARRAGANSETT BAY
(Greble)

BATTERY MITCHELL:

Guns: 3 6-inch r. f. guns, model of 1903. (j-1)

Carriages: Disappearing, model of 1903. (j-1)

Status: Transferred December 29, 1905. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: Ordered dismounted for use abroad. (j-9).

Guns removed carriages retained (RCW)

Ledger - 17
Batteries
NARRAGANSETT BAY
(Greble)

BATTERY OGDEN:

Guns: 2 3-inch r. f. guns, model of 1898. (j-1)

Carriages: Balanced pillar mounts, model 1898MI (j-1)

Status: Transferred October 24, 1909. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1).

Remarks: Guns to be removed; carriages salvaged. (j-13).

Removed (RER)

Ledger - 18.
Batteries
NARRAGANSETT BAY
(Kearny)

FORT KEARNY

BATTERY FRENCH:

Guns: 4 6-inch r. f. guns, model of 1905. (j-1)

Carriages: Disappearing, model of 1903. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks: Ordered dismantled for use abroad. (j-9).

Guns removed - Carriages returned (RCN)

Ledger - 19
Batteries
NARRAGANSETT BAY
(Kearny)

BATTERY CRAM:

Guns: 2 6-inch r.f.guns, model of 1905. (j-1)

Carriages: Disappearing, model of 1903. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks:

Ledger - 20
Batteries
NARRAGANSETT BAY
(Kearny)

BATTERY ARMISTEAD:

Guns: 2 15-pdr. r.f.guns, model of 1903. (j-1)

Carriages: Barbette, model of 1903. (j-1)

Status: Transferred May 7, 1908. (j-1)

Hoists: Projectile: None. (j-1)

Powder: None. (j-1)

Remarks:

1

The following statement, unless otherwise indicated, is based on the report of completed batteries for the Newport District.

FORT ADAMS

BATTERY GREENE: Battery consists of 8 12-inch mortars, model of 1890^{M1 (1892-35/233)} on carriages, model of 1896. No projectile or powder hoists. Transferred May, 1898. ^{98220/33}

BATTERY EDGERTON: Battery consists of 8 12-inch mortars, model of 1890^{M1 (1892-35/233)} on carriages, model of 1896. No projectile or powder hoists. Transferred May, 1898. ^{98220/33}

BATTERY REILLY: Battery consists of 2 10-inch B.L. Rifles, model of 1888MII, on disappearing carriages, model of 1896. Two Taylor-Raymond front delivery projectile hoists. No powder hoists. Transferred June 15, 1899.

BATTERY BANKHEAD: Battery consists of 3 6-inch r.f.guns (Armstrong) on Armstrong pedestal mounts. No projectile or powder hoists. Transferred July 31, 1907. (These guns shipped to Honolulu. See 90251)

BATTERY TALBOT: Battery consists of 2 4.7. Armstrong r.f.guns on Armstrong pedestal mounts. No projectile or powder hoists. Transferred January 17, 1899.

BATTERY BELTON: Battery consists of 2 3-inch r.f.guns (15-pdr) model of 1903, on barbette carriages, model of 1903. No projectile or powder hoists. Transferred July 31, 1907.

FORT WETHERILL

BATTERY VARNUM: Battery consists of 2 12-inch B.L. Rifles, model of 1888, on non-dis. carriages, model of 1892. Two Taylor-Raymond front delivery projectile hoists. No powder hoists. Transferred February 15, 1901.

BATTERY WHEATON: Battery consists of 2 12-inch B.L. Rifles, model of 1900, on disappearing carriages, model of 1901. Two Hodges back delivery projectile hoists. Transferred May 7, 1908.

BATTERY WALBACH: Battery consists of 3 10-inch B.L. Rifles, model of 1888MII, on disappearing carriages, model of 1896, and one disappearing carriage, model of 1901. Three Hodges back delivery projectile hoists. Transferred May 7, 1908.

BATTERY ZOOK: Battery consists of 3 6-inch r.f.guns, model of 1903, on disappearing carriages, model of 1903. No projectile or powder hoists. Transferred May 7, 1908.

BATTERY DICKINSON: Battery consists of 2 6-inch r.f.guns, model of 1900, on barbette carriages, model of 1900. Two Hodges back delivery projectile hoists. No powder hoists. Transferred May 7, 1908.

BATTERY CRITTENDEN: Battery consists of 2 15-pdr. r.f.guns, model of 1902, on barbette carriages, model of 1902. No projectile or powder hoists. Transferred May 7, 1908.

BATTERY COOKE: Battery consists of 2 3-inch r.f.guns, model of 1898, on balanced pillar mounts. No projectile or powder hoists. Transferred February 15, 1901. ^{1898MII (1892-35/233)}

FORT GREBLE:

BATTERY SEDGWICK: Battery consists of 8 12-inch mortars, model of 1890MT, on carriages, model of 1896. ^{1168130/232} No projectile or powder hoists. Transferred January 23, 1901.

BATTERY HALE: Battery consists of 3 10-inch B.L.Rifles, model of 1888MII, on disappearing carriages, model of 1896. Three Taylor-Raymond back delivery projectile hoists. No powder hoists. Transferred June 6, 1898.

BATTERY MITCHELL: Battery consists of 3 6-inch r.f.guns, model of 1903, on disappearing carriages, model of 1903. No projectile or powder hoists. Transferred December 29, 1905.

BATTERY OGDEN: Battery consists of 2 3-inch r.f.guns, model of 1898, on balanced pillar mounts. ^{1898 mt (48230/311)} No projectile or powder hoists. Transferred October 24, 1900.

FORT KEARNY

BATTERY FRENCH: Battery consists of 4 6-inch r.f.guns, model of 1905, on disappearing carriages, model of 1903. No projectile or powder hoists. Transferred May 7, 1908.

BATTERY CRAM: Battery consists of 2 6-inch r.f.guns, model of 1905, on disappearing carriages, model of 1903. No projectile or powder hoists. Transferred May 7, 1908.

BATTERY ARMISTEAD: Battery consists of 2 15-pdr. r.f.guns, model of 1903, on barbette carriages, model of 1903. No projectile or powder hoists. Transferred May 7, 1908.

FORT GETTY

BATTERY TOUSARD: Battery consists of 3 12-inch B.L.Rifles, model of 1900, on disappearing carriages, model of 1901. Three Hodges back delivery projectile hoists. No powder hoists. Transferred June 7, 1910.

BATTERY HOUSE: Battery consists of 2 6-inch r.f.guns, model of 1910, ^{1900 (48230/307)} on barbette carriages, model of 1900. Two Hodges back delivery projectile hoists. No powder hoists. Transferred June 7, 1910.

BATTERY WHITING: Battery consists of 2 15-pdr.r.f.guns, model of 1903 on barbette carriages, model of 1903. No projectile or powder hoists. Transferred June 7, 1910.

ADDITIONAL WORK

SAKONNET RIVER: 4 6-inch guns. Proposed. (Taft Bd.Est.)

2

Under date of April 1, 1914, (71562/460), the Secretary of War in indorsement of the Chief of Coast Artillery approved program of hoist widening work with funds available under the fortification act for 1914 which program includes the removal of two Taylor Raymond 10-inch front delivery projectile hoists from Fort Fremont, S. C., their conversion into back delivery hoists, and their installation in two of the emplacements of Battery Walbach, Fort Wetherill, to replace two Hodges hoists.

3

The Secretary of War has approved recommendation of Board of Review that 2 3-inch anti-aircraft guns be installed at Fort Wetherill. Guns provided for in 1917 Ordnance ests. (99735/3).

4

March 8, 1916 (93819) Depot instructed to purchase 3 12-inch T.R. back delivery hoists for installation as follows: Empls. 1 and 3, Battery Tousard, Fort Getty, and Emplacement 1, Battery Wheaton, Fort Wetherill. Funds for installation of hoists allotted April 4, 1916 (93819)

5

Dec. 20, 1917, Sec. War directed the C. O., N. A. C. A. D., Boston to dismount one mortar, model 1890 MI, and one carriage, model 1896 MI, from Batt. Edgerton, Ft. Adams, R. I and ship the mortar and carriage to the Commanding Officer, Sandy Hook Proving Ground, N. J. for experimenting with such equipment mounted on railway cars. Mortar and carriage not to be replaced. Anticipated orders will issue removing two mortars from each of the two pits of the two mortars Batts. at Ft. Adams.

Indorsement by H. Q. N. A. C. A. Dist. dated, Boston, Mass. Feb. 15, 1918, (E D. 118,252) stated Mortar Tactical No. 2, pit "B" Serial No. 14, Model 1890 MI, and carriage No. 15, Model 1896 MI have been dismounted and shipped, and that office understood shipment was made by water Feb. 11, 1918. (118252)

6

May 3, 1918, the Commanding Officer, North Atlantic Coast Artillery District, Boston, was directed to have dismounted and prepared for shipment 12-inch mortars, model of 1890, as follows (1662A-F1):

Fort Adams:
Battery Greble---4
Battery Edgerton---3
Fort Greble:
Battery Sedgewick---4.

7.

2-6" guns of Battery House shipped to Morgan Engineering Works. (115442/18)

8.

1st indorsement of June 6, 1918 on E.D. letter of May 4, 1918 (662A (Nar B)F7) to the District Engineer, Newport, R.I., stating mortars were removed before May 31st and turned over to the Quartermaster for shipment as follows:

7 mortars at Fort Adams, May 23.
4 mortars at Fort Greble, June 4.

The carriages were left in place.

In addition to this one mortar and carriage was removed from Battery Edgerton (Pit B, #2) Fort Adams in Feb. 1918. All mortars were in front leaving now in place the rear pair (Nos. 1 & 3) in each pit. (See J.5 & J.6).

9
O.C.C.A. August 24, 1917 (95991/80) states that the following armament has been ordered dismounted for use abroad:

- ✓ Fort Adams, Battery Reilly, 2 10-inch guns.
- ✓ Fort Wetherill, Battery Walbach, 3 10-inch guns.
- ✓ Fort Getty, Battery House, 2 6-inch guns.
- ✓ Fort Greble, Battery Mitchell, 3 6-inch guns.
- ✓ Fort Wetherill, Battery Zook, 3 6-inch guns.
- ✓ Fort Kearny, Battery French, 4 6-inch guns.

10

Letter to District Engineer, Newport, R.I., May 29, 1918, transmitting copy of letter of Adjutant General, dated May 25, 1918, to the Coast Artillery District Commander, ordering the dismounting of the following gun for service abroad:

- ✓ Fort Greble, Battery Hale, 1 10-inch gun.
- Invoiced to the Quartermaster for shipment June 18, 1918.
(662A[Nar B] F8)

11

The following armament removed or listed for removal is now to be remounted and retained:

Fort Getty, Battery House,	2-6" guns.
" Greble, " Hale,	3-10" "
" Wetherill " Walbach	2-10" "
" Adams, " Talbot,	2-4.7" guns.

(662A(Nar B)F9 and 662A-F10/3).

12

July 22, 1919, the A.G.O. approves the scrapping of the 2-4.7" guns at Battery Talbot, Fort Adams(472.3-F35).

13

March 27, 1920, the A.G.O. approved removal of the following 3" guns:

Battery Ogden, Fort Greble, 2,
" Cooke, " Wetherill, 2,
Guns to be removed; carriages salvaged.

(662A-F11/ 1 & 2

1
Plans for 2 3-inch anti-aircraft guns at Fort Wetherill received with letter of D.E.O., February 21, 1916 (99723/74-76)

2
Letter to the District Engineer, Newport, R.I., February 21, 1918 (662A (Nar B) F1) as follows:

1. After the removal of armament now contemplated for shipment abroad and for use on transports, there will remain in service at the defenses of Narragansett Bay, the following batteries:

Fort Adams:

Battery Greene	4 12-inch mortars
" Edgerton	4 12-inch mortars
" Belton	2 3-inch guns
" Talbott	2 4.7-inch guns
Sachuest Point	2 4.7-inch guns

Fort Getty:

Battery Tousard	3 12-inch guns
" Whiting	2 3-inch guns

Fort Greble:

Battery Sedgwick	4 12-inch mortars
" Ogden	2 3-inch guns

Fort Wetherill:

Battery Varnum	2 12-inch guns
" Dickenson	2 6-inch guns
" Crittendon	2 3-inch guns
" Cooke	2 3-inch guns
" Wheaton	2 12-inch guns

Fort Kearny:

Battery Cram	2 6-inch guns
" Armistead	2 3-inch guns

2. The above information is furnished for the confidential files of your office. The batteries and armament not mentioned above are listed for removal. After checking this information with the records of your office a statement should be furnished this office, showing the batteries and armament now at the defenses of Narragansett Bay and not included in the above list.

3
Indorsement of February 26, 1918 from District Engineer of Newport, R.I., (662A (Nar B) F2) on office letter of February 21 (See 2 above) as follows:

Batteries and armament now at the defenses of Narragansett Bay, R.I., and not included in above list are:

Fort Adams:

Battery Greene ✓	4 12-inch mortars and carriages.
" Edgerton ✓	3 12-inch mortars and carriages.
" Reilly ✓	2 10-inch D.C. guns and carriages.
	Guns are dismounted, now on dock awaiting shipment.

Fort Wetherill:

Battery Walbach ✓	3 10-inch D.C. guns and carriages. All guns are dismounted and are on dock awaiting shipment. One carriage being shipped.
" Zook ✓	3 6-inch D.C. carriages (guns have been shipped.)

Memoranda - 1 (continued)
Batteries
NARRAGANSETT BAY,

Fort Getty:
Battery House ✓

Fort Greble:
Battery Hale ✓
" Mitchell ✓

Fort Kearny:
Battery French ✓

A part of each 6-inch pedestal
carriage remains (guns and
part of carriages shipped).

3 10-inch D.C. guns and carriages.

3 6-inch D.C. carriages (guns have
been shipped).

4 6-inch D. C. carriages (guns
have been shipped.)

Ledger - 1
FIRE CONTROL
NARRAGANSETT BAY.
(Prospect Hill).

COAST DEFENSES OF NARRAGANSETT BAY

FIRST BATTLE COMMAND

Forts Adams, Wetherill, Greble, Getty and Kearny)

C/1: Location: Prospect Hill. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)
See (J-6).

First Battle Command: First Fire Command.

F'/1: Location: Prospect Hill. (j-6).

Construction: 1-room brick structure with concrete roof. (j-1)

References: Site: 75. (j-1)

Instrument: 84.1 (j-1)

Status: Transferred June 27, 1903. (j-1)

NOTE: Existing F' Greble utilized as F'/1 (j-1)

F"/1: Location: Beaver Tail. (j-1).

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

F'''/1: Location: Brenton Point. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done. (j-1)

Negotiations for acquisition of site dropped for
present (j-2).

Ledger - 3.
Fire Control
NARRAGANSETT BAY.
(Greble)
(Getty)

First Battle Command: First Fire Command

BATTERY HALE: (3 10-inch), Fort Greble.

B': Location: At rear of Battery Hale, Fort Greble. (j-1)

Construction: 1-room steel and wood structure with detached plotting room of concrete with tar and gravel roof. (j-1).

References: Site: 68. (j-1)

Instrument: 84.1 (j-1)

Status: Transferred June 19, 1900. (j-1)

NOTE: Existing B.C.(Hale) utilized as B'. (j-1)

B. C.: Location: At Battery Hale. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for. No work done (j-1)

BATTERY TOUSARD: (3 12-inch), Fort Getty.

B' - B.C.: Location: Prospect Hill (j-6).

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

Battery Tousard:

B" - Location: At Port ^{Getty} Kearny. (j - 6).

Construction:

References: Site:

Instrument:

Status:

Battery Tousard:

B" - Location: War Station at Hill 80 (Az. Inst.). (j - 6).

Construction: Concrete pier only. (j - 6).

References: Site:

Instrument:

Status:

First Battle Command: First Fire Command:

Battery Tousard (Cont'd).

B. C.: Location: At Battery Tousard. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)
See (j-6).

BATTERY FRENCH: (4 6-inch), Fort Kearny),

B': Location:

Construction:

References: Site:

Instrument: (Self control horizontal base) j-1.

Status: Estimate called for (j-1). No work done (j-1)

BATTERY GRAM: (" 6-inch), Fort Kearny.

B': Location:

Construction:

References: Site:

Instrument: (Self control horizontal base) j-1

Status: Estimate called for (j-1). No work done (j-1).

First Battle Command: First Fire Command

BATTERY MITCHELL: (3 6-inch), Fort Greble.

B': Location:

Construction:

References: Site:

Instrument: (Self control horizontal base).

Status: Estimate called for (j-1) No work done. (j-1)

BATTERY HOUSE: (2 6-inch). Fort Getty.

B': Location:

Construction:

References: Site:

Instrument: (Self control horizontal base) j-1.

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: Second Fire Command:

F"/2: Location: On Prospect Hill. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

F"/2: Location: On Beaver Tail. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

F"/2: Location: On Brenton Point. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).
Acquisition of site dropped for present. (j-2).

First Battle Command: Second Fire Command

F""/2: Location: At rear of Battery Sedgwick, Fort Greble. (j-1)
 Construction: 1-room brick structure with concrete roof. (j-1)
 References: Site: 71 (j-1)
 Instrument: 100. (j-1).
 Status: Transferred June 27, 1903. (j-1)
 NOTE: Existing station utilized as F""/2. (j-1)

Plotting Room:

Location: Southwest end of Battery Sedgwick (j-5)
 Construction: Room of Battery. 22ft. 3in. long by 12ft. wide. (j-5)
 References: Site:
 Instrument:
 Status:
 Remarks: Funds allotted November 7, 1917. (j-5)

First Battle Command: Third Fire Command:

F'/3: Location: On Hague property. (j-6).

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

F''/3: Location: Beaver Tail. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

F'''/3: Location: Brenton Point. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)
 Acquisition of site dropped for present (j-4).

First Battle Command: Third Fire Command:

BATTERY WALBACH: (3 10-inch), Fort Wetherill.

B'-B.C. (j-6).

Location: Richards Hill, Fort Wetherill. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

B.C.: (See j-6)

Location: At Battery Walbach. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

BATTERY WHEATON: (2 12-inch), Fort Wetherill.

B': Location: Richards Hill, Fort Wetherill. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: Third Fire Command

Battery Wheaton(Cont'd):

B.C.: Location: At Battery Wheaton. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) *Work done*
See (j-6) See Ledger 21. 6-1

BATTERY ZOOK: (3 6-inch), Fort Wetherill.

B': Location:

Construction:

References: Site:

Instrument: *(Call cont. Horizontal base j-1)*

Status: *Estimate called for (j-1) Work done*

BATTERY VARNUM: (2 12-inch), Fort Wetherill.

B': Location: Fort Wetherill. (j-1)

Construction: 1-room brick structure with concrete roof.(j-1)

References: Site: 55 (j-1)

Instrument: 64.1 (j-1)

Status: Transferred March 25, 1905. (j-1)

First Battle Command: Third Fire Command

(Battery Varnum - cont'd)

B.C.: Location: At Battery Varnum. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: Fourth Fire Command

F' / 4: Location: At rear of Battery Reilly, Fort Adams. (j-1)

Construction: Concrete structure. (j-1)

References: Site: 57.95. (j-1)

Instrument: 65.1 (j-1)

Status: Transferred June 20, 1901. (j-1)

First Battle Command: Fourth Fire Command

BATTERY BANKHEAD: (3 6-inch), Fort Adams.

B': Location:

Construction:

References: Site:

Instrument: (Self control horizontal base) (j-1)

Status: Estimate called for. No work done. (j-1).

BATTERY REILLY: (2 10-inch), Fort Adams.

B': Location: At rear of Battery Reilly, Fort Adams. (j-1)

Construction: Concrete structure. (j-1)

References: Site: 57.95 (j-1)

Instrument: 65.1 (j-1)

Status: Transferred June 20, 1901. (j-1)

NOTE: Existing station utilized for B', and B.C. (j-1)

B.C.: Location: At rear, of Battery Reilly, Fort Adams. (j-1)

Construction: Concrete structure. (j-1)

References: Site: 57.95. (j-1)

Instrument: 65.1 (j-1)

Status: Transferred June 20, 1901. (j-1)

NOTE: Existing station utilized for B' and B.C. (j-1)

First Battle Command: Fifth Fire Command

IN TIME OF PEACE

F"/5: Location: Fort Adams. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

NOTE: In time of war this station is to be moved to
Telegraph Hill. (j-1)

F"/5: Location: Brenton Point. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)
Acquisition of site dropped for present (j-2)

F"/5: Location: Beaver Tail. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: Fifth Fire Command

IN TIME OF PEACE

Fth/5: Location: At Fort Adams. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

IN TIME OF WAR

Fth/5: Location: On Telegraph Hill. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1)

NOTE: Equipment to be moved from peace station. (j-1)

Fth/5: Location: Coggeshall Ledge. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: Fifth Fire Command

IN TIME OF WAR

Form/5: Location: Ochre Point. (j-1)

Construction:

References: Site:

Instrument:

Status: Estimate called for (j-1) No work done (j-1).

First Battle Command: First Mine Command

M'M': Location: At 1st of Battery Ogden, Fort Greble. (j-1)
Construction: 6-room plaster concrete structure with tar and gravel roof. (j-1)
References: Site: 40. (j-1)
Instrument: 54.05. (j-1)
Status: Transferred September 3, 1909. (j-1)

M'M': Location: At northwest corner of Fort Kearny reservation. (j-1)
Construction: 2-room plaster concrete structure. (j-1)
References: Site: 95.3 (j-1)
Instrument: 102.3 (j-1)
Status: Transferred November 18, 1909. (j-1)

First Battle Command: Second Mine Command

M'M': Location: At hft of Battery Varnum, Fort Wetherill. (j-1)
Construction: 6-room plaster concrete structure with tar and gravel roof. (j-1)
References: Site: 43.5 (j-1)
Instrument: 58. (j-1)
Status: Transferred December 7, 1909. (j-1)

M'M": Location: Fort Wetherill. (j-1)
Construction:
References: Site:
Instrument:
Status: Estimate called for . No work done (j-1).

Ledger - 18.1
Fire Control
NARRAGANSETT BAY

RADIO STATION

Location: Fort Adams.

Construction: Plastered tile structure. (j-4)

Reference of site:

Remarks: Transferred February 10, 1916 (j-4)

EXISTING STRUCTURES

FORT ADAMS

Primary Station,

Greene and Edgerton. Location: At right of Battery Greene, Fort Adams (j-1)

Construction: 2-room wood structure. (j-1)

References: Site: 75. (j-1)

Instrument: 120. (j-1)

Status: Transferred March 25, 1905. (j-1)

F': Location: At right of Battery Bankhead, Fort Adams. (j-1)

Construction: 1-room brick structure with concrete roof. (j-1)

References: Site: 52.5 (j-1)

Instrument: 61.5 (j-1)

Status: Transferred March 25, 1905. (j-1)

B.C.:

Reilly: Location: At rear of Battery Reilly, Fort Adams. (j-1)

Construction: Concrete structure. (j-1)

References: Site: 57.95 (j-1)

Instrument: 65.1 (j-1)

Status: Transferred June 20, 1901. (j-1)

Ledger - 19.1
Fire Control
NARRANGANSETT BAY.

Battery Edgerton.

B' - Location:

On Prospect Hill. (j - 6)

Construction:

References:

Site:

Instrument:

Status:

Battery Edgerton.

B' - B. C. - Location: On Hague property. (j - 6).

Construction: Concrete piers only.

References:

Site

Instrument:

Status:

Ledger - 19.2
Fire Control
NARRAGANSETT BAY.

Battery Greene.

B' - Location: On Prospect Hill. (j - 6).

Construction:

References:

Site:

Instrument:

Status:

Battery Greene.

B' - B. C. - Location: On Hague property. (j - 6).

Construction: Concrete piers only. (j - 6).

References:

Site:

Instrument:

Status:

(Existing structures - Fort Adams - cont'd).

Meteorological and Signal Station:

Location: Fort Adams. (j-1) (j-6)

Construction:

Reference of site:

Status: Indicated on fortification index map but not
described in report of completed batteries. (j-1)

Tide Gauge:

Location: In mining boathouse, Fort Adams. (j-1)

Construction: Gauge is copper float with rod and cross head. (j-1)

Reference of site:

Status: Transferred July 17, 1908. (j-1)

FORT WETHERILL

B. - B.C. (Varnum): (j-6).

Location: Prospect Hill. (j-6)

Construction: 1-room brick structure with concrete roof. (j-1)

References: Site: 55. (j-1)

Instrument: 64.1 (j-1)

Status: Transferred March 25, 1905. (j-1).

Ledger - 20.1
Fire Control
NARRANGANSETT BAY.

Battery Varnum.

B^o. Location: On hill near Mission House. (j - 6).

Construction: Concrete pier only. (j - 6).

References: Site:

Instrument:

Status:

(Existing Structures - Fort Wetherill - cont'd)

B'(Walbach) and F'(Zook):

Location:

Construction:

References: Site:

Instrument:

Status:

NOTE: This structure is indicated on fortification index map but is not described in report of completed batteries. (j-1)

B'B.G. (j-6).

B'Wheaton):

Location:

Construction:

References: Site:

Instrument:

Status:

NOTE: This structure is indicated on fortification index map but is not described in report of completed batteries. (j-1)

B" and M":

Location:

Construction:

References: Site:

Instrument:

Status:

NOTE: This structure is indicated on fortification index map but is not described in report of completed batteries. (j-1)

Ledger - 21.1
Fire Control
NARRAGANSETT BAY.

Battery Wheaton.

B^a. - Location: On hill near Mission House. (j - 6).

Construction: Concrete pier only. (j - 6).

References: Site:

Instrument:

Status:

(Existing structures - Fort Wetherill - cont'd)

M'M':

Location: At left of Battery Varnum, Fort Wetherill. (j-1)

Construction: 6-room plaster concrete with tar and gravel roof (j-1)

References: Site: 43.5 (j-1)

Instrument: 58. (j-1)

Status: Transferred December 7, 1909. (j-1)

Tide Gauge:

Location: On wharf at Fort Wetherill. (j-1)

Construction: Gauge is copper float with roof and cross-head. (j-1)

Reference of Site:

Status: Transferred July 17, 1908. (j-1)

Existing Structures - Fort Greble

B' - B.C.(Hale): (j-6).

Location: At rear of Battery Hale, Fort Greble. (j-1)

Construction: 1-room steel and wood structure with detached plotting room on concrete with tar and gravel roof. (j-1)

References: Site: 68. (j-1)

Instrument: 84.1 (j-1)

Status: Transferred June 19, 1900. (j-1)

B' - B.C.(Sedgwick): (j-6)

Location: Prospect Hill (j-6).

Construction: 1-room brick structure with concrete roof. (j-1)

References: Site: 71. (j-1)

Instrument: 100. (j-1)

Status: Transferred June 27, 1903. (j-1).

F':

Location: At rear of Battery Hale, Fort Greble. (j-1)

Construction: 1-room brick structure with concrete roof. (j-1)

References: Site: 75. (j-1)

Instrument: 84.1 (j-1)

Status: Transferred June 27, 1903. (j-1).

Battery Sedgwick:

B¹. - Location: Fort Kearny (Az. inst.) (j - 6).

Construction:

References: Site:

Instrument:

Status:

Battery Sedgwick:

B¹. - Location: At Hill 80 (Az. inst.) (j - 6).

Construction: Concrete pier only. (j - 6).

References: Site:

Instrument:

Status:

Existing structures - Fort Greble - cont'd.

M'M':

Location: At left of Battery Ogden, Fort Greble. (j-1)

Construction: 6-room plaster structure with tar and gravel roof. (j-1)

References: Site: 40. (j-1)

Instrument: 54.05 (j-1)

Status: Transferred September 3, 1909. (j-1)

Tide Gauge:

Location: Q.M. boathouse, Fort Greble. (j-1)

Construction: Gauge is copper float with rod and crosshead. (j-1)

Reference of site:

Status: Transferred July 17, 1908. (j-1)

FORT KEARNY

M'M":

Location: Northwest corner of Fort Kearny reservation. (j-1)

Construction: 2-room plaster concrete structure. (j-1)

References: Site: 95.3 (j-1)

Instrument: 102.3 (j-1)

Status: Transferred November 18, 1909. (j-1)

C. R. F. for Battery Gram.

Location: Battery Gram. (j - 6).

Construction:

References:

Site:

Instrument:

Status:

C. R. F. for Battery House.

Location: Battery House. (j - 6).

Construction:

References:

Site:

Instrument:

Status:

Ledger - 26.
Fire Control
NARRANGANSETT BAY.

O. R. F. for Battery Armistead.

Location: Battery Armistead. (j - 6).

Construction:

References: Site:

Instrument:

Status:

O. R. F. for Battery Whiting.

Location: Battery Whiting. (j - 6).

Construction:

References: Site:

Instrument:

Status:

Ledger - 27.
Fire Control.
NARRAGANSETT BAY.

O. R. F. for Battery Ogden.

Location: Battery Ogden. (j - 6).

Construction

References: Site:

Instrument:

Status:

Battery Dickenson. (j - 6).

B'. - Location:

Construction:

References: Site:

Instrument

Status:

G. R. F. for Battery Crittenden:

Location: Battery Crittenden. (j - 6).

Construction:

References:

Site:

Instrument:

Status:

G. R. F. for Battery Cooke.

Location: Battery Cooke. (j - 6).

Construction:

References:

Site:

Instrument:

Status:

C. R. F. for Battery Belton.

Location: Battery Belton. (j - 6).

Construction:

References: Site:

Instrument:

Status:

Plotting Room, Battery Greens.

Location: Existing Room of old redoubt. (j - 6).

Construction:

References: Site:

Instrument:

Status:

Ledger - 30.
Fire Control
NARRAGANSETT BAY.

Plotting room for Battery Edgerton.

Location: Existing Room of old redoubt. (j - 6).

Construction:

References: Site:

Instrument:

Status:

Switchboard room for Fort Kearny.

Location: In Battery French. (j - 6).

Construction:

Reference of site:

Status:

Switchboard Room for Fort Greble.

Location: In Battery Mitchell. (j - 6).

Construction:

Reference of site:

Status:

Switchboard Room for Fort Getty.

Location: In Battery Tousard. (j - 6).

Construction:

Reference of site:

Status:

Ledger - 32.
Fire Control.
NARRAGANSETT BAY.

Switchboard Room for Fort Wetherill.

Location: In Battery Zook. (j - 6).

Construction:

Reference of site:

Status:

Switchboard Room for Fort Adams.

Location: In old redoubt. (j - 6).

Construction:

Reference of site:

Status:

Ledger - 33.
Fire Control.
NARRAGANSETT BAY.

Cable hut and conduit at Fort Kearny. (j - 6).

Location:

Construction:

Reference of site:

Status:

Cable hut and conduit at Fort Getty. (j - 6).

Location:

Construction:

Reference of site:

Status:

Cable hut and conduit at Prospect Hill. (j - 6).

Location:

Construction:

Reference of site:

Status:

1

The project for fire control for the Coast Defenses of Narragansett Bay, approved December 21, 1911, (35576/238), provides for the following features:

BATTLE COMMAND

C/1: To be located on Prospect Hill.

First Fire Command

(Batteries French, 4 6-inch; Cram, 2 6-inch; Mitchell, 3 6-inch; Hale, 3 10-inch; House, 2 6-inch; and Tousard, 3 12-inch.)

F'/1: To be existing B' at Fort Greble.

F''/1: To be located on Beaver Tail.

F'''/1: To be located on Brenton Point.

B'(Hale): Existing B' at Greble.

B.C.(Hale) to be constructed at Battery Hale.

B'(Tousard): To be located to right rear of battery.

B.C.(Tousard): To be constructed at Battery Tousard.

Batteries French, Cram, Mitchell and House to be equipped with self-contained horizontal base instruments.

Second Fire Command

(Battery Sedgwick, 8 mortars).

F'/2: To be located on Prospect Hill.

F''/2: To be located on Beaver Tail.

F'''/2: To be located on Brenton Point.

F''''/2: To be existing B'(Sedgwick).

Third Fire Command

(Batteries Walbach, 3 10-inch; Wheaton, 2 12-inch; Zook, 3 6-inch; Dickenson, 2 6-inch; and Varnum, 2 12-inch.)

F'/3: To be located on Richards Hill, Fort Wetherill.

F''/3: To be located on Beaver Tail.

F'''/3: To be located on Brenton Point.

B'(Walbach): To be located on Richards Hill, Fort Wetherill.

B.C.(Walbach): To be located at Battery Walbach.

B'(Wheaton): To be located on Richards Hill, Fort Wetherill.

B.C.(Wheaton): To be located at Battery Wheaton.

Battery Zook to have self contained horizontal base instrument.

Battery Dickenson to be connected by telephone with the instrument at Battery Zook. When not on the same target, ranges to be furnished from F'/3.

B'(Varnum): To be existing B'(Varnum).

B.C.(Varnum): To be constructed at Battery Varnum.

Fourth Fire Command

(Batteries Bankhead, 3 6-inch; and Reilly, 2 10-inch)

F'/4: To be located at B.C.(Reilly).

Battery Bankhead is to have a self-contained horizontal base instrument.

B'(Reilly): Existing B' station is to be used as a combined B' and B.C. station for Battery Reilly.

B.C.(Reilly): See under B'(Reilly).

Fifth Fire Command

(Batteries Edgerton, 8 mortars; and Greene, 8 mortars).

IN TIME OF PEACE:

F'/5: Existing station in old redoubt at Fort Adams.

F''/5: To be located at Brenton Point.

F'''/5: To be located at Beaver Tail.

F''''/5: Existing station at Fort Adams.

IN TIME OF WAR:

F'/5: To be on Telegraph Hill, with equipment moved from the peace station.

F''''/5: To be located on Coggeshall Ledge.

F''''''/5: To be located at Ochre Point.

First Mine Command

(Batteries Armistead, 2 3-inch; Ogden, 2 3-inch; and Whiting, 2 3-inch.)

M'M': Existing station at Fort Greble.

M''M'': Existing station at Fort Kearny.

Second Mine Command

(Batteries Crittenden, 2 3-inch; Cooke, 2 3-inch; Talbot, 2 4.7-inch, and Belton, 2 3-inch.)

M'M': Existing in rear of Battery Varnum, Fort Wetherill.

M''M'': To be built on Richards Hill, Fort Wetherill.

No work has been done under the above project. By letter of June 12, 1914 (35576), the District Engineer Officer, Newport, R.I., was instructed to prepare plans and estimates for the several structures, etc., under this project; under date of June 16, 1914, (35576), the District Officer was instructed to prepare an outline map showing the locations of the several fire control structures, indicating the approximate heights of the instruments.

EXISTING STRUCTURES

The following structures are now in existence in the Coast Defenses of Narragansett Bay:

Fort Adams

Primary Station (Greene and Edgerton): Located at right of Battery Greene, Fort Adams. 2-room wood structure. Ref. of site 75. Ref. of instrument 120. Transferred March 25, 1905.

F': Located at right of Battery Bankhead, Fort Adams. 1-room brick structure with concrete roof. Ref. of site 52.5. Ref. of instrument 61.5. Transferred March 25, 1905.

B.C.(Reilly): Located at rear of Battery Reilly, Fort Adams. Ref. of site 57.95. Ref. of instrument 65.1. Transferred June 20, 1901.

Meteorological Station: Indicated on fortification index map, of Fort Adams but not described in report of completed batteries.

Tide Gauge: Located in mining boathouse, Fort Adams. Copper float with rod and crosshead. Transferred July 17, 1908.

Fort Wetherill

B.C.(Varnum): Located at Fort Wetherill. 1-room brick structure with concrete roof. Ref. of site 55. Ref. of instrument 64.1. Transferred March 25, 1905.

B'(Walbach) and F'(Zook): Indicated on fortification index map of Fort Wetherill but not described in report of completed batteries.

B''(Wheaton): Indicated on fortification index map of Fort Wetherill but not described in report of completed batteries.

B'' and M'': Indicated on fortification index map of Fort Wetherill but not described in report of completed batteries.

M'M': Located at left of Battery Varnum, Fort Wetherill. 6-room plaster concrete structure with tar and gravel roof. Ref. of site 43.5. Ref. of instrument 58. Transferred December 7, 1909.

Tide Gauge: Located on wharf at Fort Wetherill. Copper float with rod and cross-head. Transferred July 17, 1908.

Fort Greble

B.C.(Hale): Located at rear of Battery Hale, Fort Greble. 1-room steel and wood structure with detached plotting room of concrete with tar and gravel roof. Ref. of site 68. Ref. of instrument 84.1. Transferred June 19, 1900.

B.C.(Sedgwick): Located at rear of Battery Sedgwick, Fort Greble. 1-room brick structure with concrete roof. Ref. of site 71. Ref. of instrument 100. Transferred June 27, 1903.

F': Located at rear of Battery Hale, Fort Greble. 1-room brick structure with concrete roof. Ref. of site 75. Ref. of instrument 84.1. Transferred June 27, 1903.

M'M': Located at left of Battery Ogden. 6-room plaster structure with tar and gravel roof. Ref. of site 40. Ref. of instrument 54.05. Transferred September 3, 1909.

Tide Gauge: Located in Q.M. boathouse, Fort Greble. Copper float with rod and cross-head. Transferred July 17, 1908.

Fort Kearny

M" M": Located at northwest corner of Fort Kearny reservation. 2-room plaster concrete structure. Ref. of site 95.3. Ref. of instrument 102.3. Transferred November 18, 1909.

By indorsement of Dec. 14, 1914, ²the C. of C.A., approved recommendation of C. of E. that negotiations for the Theodore M. Davis property be dropped ~~for the present~~ unless the owner is willing to continue the negotiations (the Davis land is at Brenton Point); and also the proceedings to acquire the J.P. Morgan property at Graves Point, be dropped for the present. (93032/20). *Funds in hands of A.E.O. for acquisition of Davis land withdrawn.*

April 22, 1915, (35576/336-³338,335,) plans for radio station, Fort Adams, approved. Apr. 28, 1915, (35576) funds allotted for work.

Radio Station, Fort Adams, ⁴R.I.: Plastered tile structure. Transferred February 10, 1916. (35576/365 and r.c.b.)

October 27, 1917, A.G.O. approved ⁵~~and projected~~ *a project* for plotting room at Battery Sedgwick, Fort Greble. November 7, 1917, ⁵this ~~allotted~~ *funds* to District Engineer, Newport, R.I., for the purpose of preparing the single outside room in the southwest end of the battery to be used as plotting room; this room is 22 feet 3 inches long x 12 feet wide, one long side being against the outside wall. (18383/147, 149.)

⁶Work under the project approved February 20, 1918, to be provided at the Coast Defenses of Narragansett Bay, consists of the following:

- ✓ C. Station at Prospect Hill. Battle Commander western battle area.
- ✓ F' ₁ Station at Prospect Hill. Command includes Batteries Tousard, Sedgwick, and Hale.
- ✓ F' ₂ Station at Prospect Hill. Command includes Batteries Wheaton, Varnum, and Walbach.
- ✓ F' ₃ Station on Hague property. Command includes Batteries Edgerton and Greene. Battle Commander eastern battle area to take station here. Concrete piers only.
- ✓ M' Existing station at Fort Greble. Command includes Batteries Cram, House, Armistead, Whiting, and Ogden.
- ✓ M' ₂ Existing station at Fort Wetherill. Command includes Batteries Dickenson, Crittenden, Cooke, and Belton.
- ✓ B' - B. C. Tousard. Station at Prospect Hill (D.P.F.) Double station with B' - B. C. Sedgwick.
- ✓ B' Tousard. Station at Fort Kearny (Az. inst.) Double station with B' Sedgwick.
- ✓ B' ₂ Tousard. War Station at Hill 80 (Az. inst.) Concrete pier only.
- ✓ B' - B. C. Sedgwick. Station at Prospect Hill (D.P.F.). Double station with B' - B. C. Tousard.

6 Cont'd.

- ✓ B" Sedgwick. Station at Fort Kearney (AZ. inst.). Double station with B" Tousard.
 - ✓ B'" Sedgwick. War station at Hill 80 (AZ. inst.). Concrete pier only.
 - ✓ P' - B.C. Hale (D.P.F.). Existing station at Fort Greble.
 - ✓ B' - B. C. Wheaton. Station at Prospect Hill (D.P.F.). Double station with B" Greene.
 - ✓ B" Wheaton (AZ. inst.). Station on hill near Mission House. Concrete pier only.
 - ✓ B' - B. C. Varnum. Station at Prospect Hill (D.P.F.). Double station with B" Edgerton.
 - ✓ B" Varnum (AZ. inst.). Station on hill near Mission House. Concrete pier only.
 - ✓ B' - B. C. Walbach (D.P.F.). Station on Richard's Hill, Fort Wetherill.
 - ✓ B" Edgerton (D.P.F.). Station on Prospect Hill. Double station with B' B.C. Varnum.
 - ✓ B' - B. C. Edgerton (D.P.F.). Station on Hague property. Concrete piers only.
 - ✓ B" Greene (D.P.F.). Station on Prospect Hill. Double station with B' B. C. Wheaton.
 - ✓ B' B. C. Greene (D.P.F.). Station on Hague property. Concrete piers only.
 - ✓ C. R. F. station (15') for Battery Cram, with equipment of existing crownest for B. C. and of plotting room in battery.
 - ✓ C. R. F. station (15') for Battery House, with B. C. station and plotting room in battery.
 - ✓ C. R. F. station (9') for Battery Armistead, with B. C. station.
 - ✓ C. R. F. station (9') for Battery Whiting, with B. C. station.
 - ✓ C. R. F. station (9') for Battery Ogden, with equipment of existing crow nest for B. C.
 - ✓ B' Dickenson (D.P.F.), with equipment of existing crow nest for B. C. and of plotting room in battery.
 - ✓ C.R.F. station (9') for Battery Crittenden, with equipment of crow nest for B. C.
 - ✓ C. R. F. station (9') for Battery Cooke, with B. C. station.
 - ✓ C. R. F. station (9') for Battery Belton, with B. C. station.
 - ✓ Plotting rooms for Batteries Greene and Edgerton, in existing rooms of old redoubt.
 - ✓ Switchboard room for Fort Kearney in Battery French.
 - ✓ Switchboard room for Fort Greble in Battery Mitchell.
 - ✓ Switchboard room for Fort Getty in Battery Tousard.
 - ✓ Switchboard room for Fort Wetherill in Battery Zook.
 - ✓ Switchboard room for Fort Adams in old redoubt.
 - ✓ Cable hut and conduit at Fort Kearney.
 - ✓ Cable hut and conduit at Fort Getty.
 - ✓ Cable hut and conduit at Prospect Hill.
 - ✓ Meteorological and signal station at Fort Adams.
- April 30, 1920, funds for accomplishment of this project were allotted.
(665(Nar B) F4, F17, F20 and 35576/420).

1

July 9, 1914, -C.A.D. (35576/283) states that in view of fact that needs of other coast defenses are more pressing than those of the C.D. of Narragansett Bay, it is not desired that further steps be taken at present to provide this fire control installation or to acquire sites in connection therewith except to complete the purchase of the Pieppont Morgan and Theodore M/Doris parcels of land.

2

July 13, 1914- Plans and estimates for radio station for Fort Adams called for from D.E.O. July 22, 1914, D.E.O. submits plans and estimates in sum of \$2,100 for station (35576/304-306) Revised estimate for this work in sum of \$1,640 submitted by D.E.O., Sept. 28, 1914 (35576/308).

3

D.E.O., Newport, Dec. 28, 1915 (35576/365-366), reports completion of radio station, Fort Adams, and requests authority to transfer same to Artillery.

FORT ADAMS

Structures served: Batteries Greene, Edgerton, Reilly, Talbot, Bankhead, one 36-inch, one 30-inch and one 24-inch searchlights. (j-1)

Units: Two 125 h.p. Worthington water tube boilers; four General Electric 54 h.p. engines and four 30 kw. General Electric Generators. (j-1)

Voltage: 125-volt. (j-1)

Connections:

Location: Head of Engineer wharf. (j-1)

Status: Transferred Nov. 25, 1903. (j-1)

Remarks:

Additional work required.

Structures to be served: Batteries Greene and Edgerton and the stations in that vicinity. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections: Conduit. (j-1)

Location: Battery Edgerton. (j-1)

Status:

Remarks:

Structures to be served: Batteries, Reilly, Belton and stations. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections: Conduit. (j-1)

Location: Battery Reilly. (j-1)

Status:

Remarks:

Ledger - 2
Electrical Installations
NARRAGANSETT BAY.

Structures to be served: Batteries Bankhead, Talbot and stations. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery Bankhead. (j-1)

Status:

Remarks:

Comments:

FORT WETHERILL

Structures served: Batteries, Varnum, Cooke, torpedo structures and fire control stations in that vicinity. (j-1)

Units: One 25 kw. gas motor set. (j-1) One 60-cell storage battery. (j-1)

Voltage: :

Connections:

Location: Parados, Battery Varnum. (j-1)

Status: Generating set transferred Apr. 21, 1911; storage battery Feb. 15, 1901.
(j-1)

Remarks:

Structures served: Batteries Wheaton, Crittenden, Zook & Dickens. (j-1)

Units: One 43/54 h.p. G.E. engine and one 25 kw. G.E. generator. (j-1)

Voltage: 115-volt. (j-1)

Connections:

Location: Battery Wheaton. (j-1)

Status: Transferred June 16, 1911. (j-1)

Remarks:

Structures served: Battery Walbach and provisional stations on Richards Hill. (j-1)

Units: One 25 kw. gas motor set (j-1)

Voltage:

Connections:

Location: Battery Walbach. (j-1)

Status: Transferred May 26, 1910. (j-1)

Remarks:

Additional work required

Structures to be served: Reserve. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery Varnum. (j-1)

Status:

Remarks:

Structures to be served: Reserve. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery Wheaton. (j-1)

Status:

Remarks:

Structures to be served: Reserve. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery Walbach. (j-1)

Status:

Remarks:

Ledger - 4.1
Electrical Installations
NARRAGANSETT BAY.

Structures served: 60-inch searchlight No. 7.

Units: 1 - 25 kw. set on hand.

Voltage:

Connections:

Location:

Status:

Remarks: Installation in progress.
Transferred in Memo. receipt May 8, 1917.

FORT GETTY

Structures served: Emplacements. (j-1)

Units: Two 43/54 h.p.G.E.engines; two 25 kw. G.E.generators. (j-1)

Voltage:

Connections:

Location: Battery Tousard. (j-1)

Status:

Remarks:

Structures served: 60-inch searchlight No.2 (j

Units: 1 - 25 K.W. set. Ordered (j-4).

Voltage:

Connections:

Location:

Status:

Remarks:

FORT GREBLE

Structures served: Post illumination, Batteries Sedgwick, Hale, Ogden,
and Mitchell, and two 30-inch searchlights. (j-1)

Units: Two 125 h.p. Worthington water tube boilers; three G.E. engines, 54 h.p.
and three 30 kw. C.E. generators. (j-1)

Voltage: 125-volt. (j-1)

Connections:

Location: Left flank Battery Sedgwick. (j-1)

Status: Transferred Feb. 15, 1910, and Nov. 6, 1903. (j-1)

Remarks:

Additional work required

Structures to be served: All fortifications except Battery Hale. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Central Plant. (j-1)

Status:

Remarks:

Structures to be served: Battery Hale. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery Hale. (j-1)

Status:

Remarks:

Structures served: 60-inch searchlight No. 1

Units: 1 - 25 K.W. set. On hand (j-13)

Voltage:

Connections:

Location:

Status:

Remarks: Installation in progress.
Transferred on Memo. receipt May 8, 1917.

FORT KEARNY

Structures served: All fortification purposes. (j-1)

Units: One 43/54 h.p.G.E.engine and one 25 kw.G.E.generator. (j-1)

Voltage:

Connections:

Location: Bombproof room, Battery French. (j-1)

Status:

Remarks:

Additional work required

Structures to be served: Reserve. (j-1)

Units: One 25 kw. set. (j-1)

Voltage:

Connections:

Location: Battery French. (j-1)

Status:

Remarks:

FORT ADAMS

Central Plant: Located at head of Engineer wharf (or South Dock) north of Administration building and east of torpedo storehouse. Consists of two 125 h.p. Worthington pattern water tube boilers, four General Electric 30 kw., 54 h.p. engines, and four 30 kw., 125 volt., General Electric generators. Furnishes current for Batteries Greene, Edgerton, Reilly, Talbot, Bankhead, one 36-inch, one 30-inch and one 24-inch searchlights. Transferred November 25, 1903. (R.C.B.12.)

Additional work required: (Letter of D.E.O., Oct. 1, 1913, 89571/29): The District Engineer Officer recommends the installation of three 25 kw. sets for primary service as follows: One at Battery Edgerton, to serve Batteries Greene and Edgerton and the stations in that vicinity. One at Battery Reilly to serve Batteries Reilly and Belton and stations. One at Battery Bankhead to serve Batteries Bankhead and Talbot and stations. Foundations for one additional set should be provided at each of these locations in order that local reserve sets may be installed if the unprotected central plant should for any reason be abandoned. That the central plant become a reserve for all defensive works after the installation of gasoline sets at the emplacements. Interconnection of proposed additional 25 kw. sets by underground conduit. Estimated cost \$48,430. Post current is obtained from commercial sources; it is proposed to make the central plant a reserve for both post and fortification purposes by the addition of a 70 kw. motor generator for post purposes. Estimated cost \$4,885.

FORT WETHERILL.

Battery Varnum: Located in Parados. One 25 kw. gas motor set manufactured by General Electric Co. One Electric Storage Battery Co's Storage battery, 60 cells, 30 amp. Furnishes current for Batteries Varnum and Cooke, the torpedo structures and fire control stations in that vicinity. Generating set transferred April 21, 1911; storage battery transferred Feb. 15, 1901. (R.C.B.11-1/2).

Battery Wheaton: One 43/54 h.p. G.E. gasoline engine and one 25 kw. 115-volt, G.E. generator. Furnishes current for Batteries Wheaton, Crittenden Zook and Dickens. Transferred June 16, 1911. (R.C.B.11-1/2a).

Battery Walbach: One 25 kw. gas motor set manufactured by General Electric Company. Furnishes current for Battery Walbach and the provisional stations on Richards Hill. Transferred May 26, 1910. (R.C.B.12).

Additional Work required: Letter of D.E.O., Oct. 1, 1913, 89571/29): No additional primary service required. Three additional 25 kw. sets should be installed for reserve, one at each of the present emplacement plants. Interconnection should be made between the plants at Batteries Wheaton and Walbach. It is impracticable to provide interconnection for the plant at Battery Varnum owing to its distance from the other two. Estimated cost \$23,100. Fort Wetherill has no post lighting, the detachment barracks and N.C. officers quarters being lighted by lamps. The installation of a reserve plant for purposes or the operation of the emplacement plants for such purposes is not considered as but a small amount of power is required for this lighting.

FORT GETTY

Battery Tousard: Plant located in rear of left flank of Battery Tousard. Consists of two 43/54 h.p.G.E.engines and two 25 kw. G.E. generators. Supplies emplacements. Transferred June 7, 1910. (R.C.B.14).

Additional Work Required: No additional sets are recommended for either primary or reserve service. Fort Getty is a subpost of Fort Greble and has no post lighting, the detachment barrack being lighted by lamps. No commercial power is available. A post plant for lighting the barrack is impracticable. (Letter of D.E.O., Oct.1, 1913, 89571/29).

FORT GREBLE

Central Plant: Located left flank of Battery Sedgwick. Consists of two 125 h.p.Worthington water tube boilers; three General Electric 54 h.p.engines and 3 ~~X~~ General Electric 30 kw., 125 volt, generators. Current furnished for post illumination, Batteries Sedgwick, Hale, Ogden, and Mitchell, and two 30-inch searchlights. Transferred Feb.15, 1910 and November 6, 1903. (R.C.B.13).

Additional work required: (Letter of D.E.O., Oct.1, 1913, 89571/29) It is recommended that 2 additional 25 kw. sets be provided for primary service, one to be installed in central plant to serve all fortifications except Battery Hale; the other to be installed at Battery Hale to serve that battery only; It is recommended that the present central plant become a reserve plant for all defensive works after the installation of primary gasoline sets at the emplacements. No additional equipment will be necessary for post lighting. Estimated cost \$22,426.

FORT KEARNY

Battery French: Located in bombproof room of battery. Consists of one 43/54 h.p.G.E.engine and one 25 kw. G.E.generating set. Furnishes current for all fortification purposes. Transferred Jan.13, 1911. (R.C.B.13-1/2)

Additional work required: No additional equipment required for primary service. One additional 25 kw. set is recommended for installation as a reserve, this set to be installed in the same room with the present set. Estimated cost \$5,600. A post plant for Fort Greble is impracticable. (Letter of D.E.O., Oct.1, 1913, 89571/29).

2

Two 25-kw.generating sets ordered for installation with 60-inch searchlights, defenses of Narragansett Bay. (81674)-5/6/15.

3

Engr.D Depot, Wash.Brks., (R.of O., Sept., 1915), reports delivery at destination of 2 25-kw. sets procured for use with schts., Narragansett Bay.

4

August 2, 1916 (81674) Depot instructed to purchase 25-kw. generating set for use with Searchlight No. ~~X~~. Defenses of Narragansett Bay.

No. 1 Location: At Fort Greble on the extreme western point of the island. (j-1)

Projector: 60-inch. (j-1) On hand (j-3)

Cable:

Generator: On hand (j-3)

Shelter: For projector:

For generator:

Status: Transferred February 8, 1918. (j-8)
To remain in service under project apprvd., July 29, 1919.

No. 2. Location: In southeast corner of Fort Getty reservation about 150 feet from Battery Whiting. (j-1).

Projector: 60-inch. (j-1) Ordered.

Cable: Not ordered.

Generator: Ordered. (j-7)

Shelter: For projector:

For generator:

Status: Estimate for installation \$8,168 (j-1) Plans under consideration (M-4).

No. 3 Location: At Beaver Tail on the lighthouse reservation west of the lighthouse. (j-1)

Projector: 60-inch. (j-1)

Cable:

Shelter: For projector:

For generator:

Status: Estimate for installation \$8,168. Nothing done (j-1).

No. 4 Location: At Beaver Tail on the lighthouse reservation, east of the lighthouse. (j-1)

Projector: 60-inch. (j-1)

Cable:

Generator:

Shelter: For projector:

For generator:

Status: Estimate for installation \$8,168. Nothing done (j-1)

No. 5. Location: At Graves Point, west of light No. 6. (j-1)

Projector: 60-inch. (j-1)

Cable:

Generator:

Shelter: For projector:

For generator:

Status: Estimate for installation \$10,168. Nothing done (j-1)
Site not owned (j-1) Acquisition of site dropped for
present. (j-5).

No. 6. Location: At Graves Point, east of light No. 5. (j-1)

Projector: 60-inch. (j-1)

Cable:

Generator:

Shelter: For projector:

For generator:

Status: Estimate for installation \$10,168. Nothing done, side
not owned. (j-1). Acquisition of site dropped for present
(j-5)

No. 7 Location: At the extreme western part of Fort Wetherill between Battery Walbach and the boundary of the reservation. (j-1).

Projector: 60-inch. (j-1) On hand (j-3)

Cable:

Generator: On hand (j-3).

Shelter: For projector:

For generator:

Status: Transferred Feb. 8, 1918. (j-8).
To remain in service under project apprvd. July 29, 1919. (j-11)

No. 8. Location: At Fort Adams northwest of old fort in the corner of seawall. (j-1)

Projector: 36-inch. (j-1)

Cable:

Generator:

Shelter: For projector:

For generator:

Status: Estimate for installation \$5,500. Nothing done. (j-1)
To remain in service under project apprvd., July 29, 1919 (j-11).

No. 9 Location: On the left flank of the group of supplementary stations at Ochre Point. (j-1)

Projector: 60-inch. (j-1)

Cable:

Generator:

Shelter: For projector:

For generator:

Status: Estimate for installation \$8,168. Nothing done. (j-1)
Light to be stored at Fort Adams pending hostilities (j-1)

60-inch projectors:

Installed:

Permanent:

Temporary:

On hand:

Ordered:

Projected: 2
1
5 8 (j-1)

36-inch projectors:

Installed:

Permanent:

Temporary:

On hand: 3 8 (j-1)

Ordered:

Projected:

30-inch projectors:

Installed:

Permanent:

Temporary:

On hand: 3 (j-1)

Ordered:

Projected:

1-30" shipped to Ft Baldwin, Me. (j-10)

24-inch projectors:

Installed:

Permanent:

Temporary:

On hand: 3 (j-1)

Ordered:

Projected:

25 kw. generating sets:

Installed:

Permanent:

Temporary:

On hand: 2

Ordered:

Projected: 6

Location: Sachuest Point (j-11)
Projector: 60" portable
Cable:
Generator:
Shelter: for projector:
for generator:
Status: Appvd. by A.G.O., July 29, 1919(j-11)

Location: Coggeshall Ledge
Projector: 60" portable
Cable:
Generator:
Shelter: for projector:
for generator:
Status: Appvd., July 29, 1919 (j-11)

Location: Brenten's Point (j-11)
Projector: 60" portable
Cable:
Generator:
Shelter: for projector:
for generator:
Status: Appvd., July 29, 1919 (j-11)

Location: (j-11)
Projector: 60" portable
Cable:
Generator:
Shelter: for projector:
for generator:
Status: To be used as an emergency light and held in reserve at location convenient to Sachuest Point, Coggeshall Ledge and Brenten's Point.
Approved, July 29, 1919. (j-11)

Location: Beaver Tail Point. (j-11)

Projector: 2-60" portables

Cable:

Generator:

Shelter: for projector:

for generator:

Status: Appvd., July 29, 1919 (j-11)

Location: Clump Rocks

Projector: 60" portable

Cable:

Generator:

Shelter: for projector:

for generator:

Status: Appvd., July 29, 1919 (j-11)

1

The following is a statement of the searchlight project for the Coast Defenses of Narragansett Bay approved December 21, 1911 (copy 35576/243).

- No.1, 60-inch: To be located at Fort Greble on the extreme western point of the island.
- No.2, 60-inch: To be located in southeast corner of Fort Getty reservation about 150 feet from Battery Whiting.
- No.3, 60-inch: To be located at Beaver Tail on the lighthouse reservation west of lighthouse.
- No.4, 60-inch: To be located at Beaver Tail on the lighthouse reservation east of lighthouse.
- No.5, 60-inch: To be located at Graves Point, west of light No. 6.
- No.6, 60-inch: To be located at Graves Point, east of light No. 5.
- No.7, 60-inch: To be located on the extreme western part of Fort Wetherill between Battery Walbach and the boundary of reservation.
- No.8, 36-inch: To be located at Fort Adams, northwest of the old fort in the corner of seawall.
- No.9, 60-inch: To be on the left flank of the group of supplementary stations at Ochre Point. This light to be stored at Fort Adams and installed only in time of threatened hostilities.

No work has been done under the above project. The site at Graves Point for lights Nos. 5 and 6 is not owned and has not been acquired.

3

There are on hand in the Coast Defenses of Narragansett Bay 3 36-inch, 3 30-inch, and 3 24-inch searchlights.

An approximate estimate for the installation of the searchlights provided in the above project as given by the District Officer in his estimate data sheets is as follows:

No. 1,.....	\$10,168
No. 2,.....	8,168
No. 3,.....	8,168
No. 4,.....	8,168
No. 5,.....	10,168
No. 6,.....	10,168
No. 7,.....	6,168
No. 8,.....	5,500
No. 9,.....	8,168

These estimates are for installation only.

2

July 9, 1914-Chief of Staff approved memorandum of Chief of Coast Arty. July 8, 1914, (81674/35), providing for inclusion in 1916 estimates of purchase and installation of lights for positions Nos. 1, 2, and 7, with generating sets; also for the inclusion of the purchase of 5 60-inch lights to be held for the Coast Defenses of Narragansett Bay.

Journal - 2
Searchlights
NARRAGANSETT BAY

3
Engr. Depot, Wash. Erks. (R. of O., Sept., 1915) reports delivery at destination of 2 60-inch searchlights procured for Narragansett Bay.
and 2-25kw sets.

4
Plans for installation of schlts. 1 and 7 approved January 19, 1916 (38954/427, 429). Funds allotted for installation January 24, 1916 (38954/423)

35

By indorsement of Dec. 14, 1914, the C. of C. A. approved recommendation of the C. of E. that acquisition of the J. P. Morgan property at Graves Point (sites for 2 60-inch searchlights) be dropped for the present, and that that of the Davis property (Brenton Point f. c. stations sites) be likewise dropped, unless the owner is willing to continue the negotiations. (83032/20).

46

Extract from C. A. D. letter of Dec. 17, 1915 (81728/8):

*** 2. In order that the proper assignment of 36" searchlights may be made, it is believed that the following lights should be considered as assigned to the coast defenses as follows:

2 from Narragansett Bay to Portsmouth

* * *

4. It is not intended to ship these lights at the present time
***.

7

August 2, 1916 (81674) Depot instructed to purchase one 25-kw. generating set for use with Searchlight No. 7, Defenses of Narragansett Bay.

8

60-inch searchlights Nos. 1 and 7, Narragansett Bay, transferred on memorandum receipt, in incomplete installations, May 8, 1917 (38954/445)

Lights permanently transferred Feb. 8, 1918 (38954/464)

9

Officer in Charge, Engineer Depot, advised Feb. 7, 1917, that it is proposed to install at Fort Rodman a 60-inch searchlight to be sent there from the U. S. Military Academy. (104847/13).

10

Indorsement of August 9, 1917 on 36759/683. The 30-inch searchlight from the Coast Defenses of Narragansett Bay has been received and is not at Fort Baldwin, Maine. It is proposed to install it on the left of Battery Cogan.

11

July 29, 1919, the A. G. O. approved the Searchlight project for the Coast Defenses of Narragansett Bay, as contained in report of Board of Officers, dated April 18, 1918, as follows:

Lights to be provided:

Four portable 60" searchlights to be located as follows:

- 1 at Sachuest Point
- 1 " Coggeshall Ledge
- 1 " Brenton's Point

The fourth light to be used as an emergency light and held in reserve at a location convenient to the three places designated.

Three portable 60" searchlights to be located as follows:

- 2 at Beaver Tail Point
- 1 " Clump Rocks.

11(continued)

Lights now installed to remain in service:

1-36"	light, now located near the shore line at Fort Adams.
1-36"	" , now installed at Fort Wetherill.
1-60"	" " " " Greble.
1-60"	" " " " Wetherill.
1-24"	" " " " Adams.
1-24"	" " " " Wetherill.
1-24"	" " " " Greble.

In addition to the above, there are now installed in the Defenses one 36" searchlight at Fort Adams, and 2-30" lights at Fort Greble. These lights should be continued in the service so long as the maintenance expenditure is not excessive and they are not required elsewhere. (470.35(Nar B)F2 and F3).

12

Project approved February 28, 1920, provides for sending 7 Cadillac units to these defenses. (470.35(Nar. B.)F16, F17 and F18).

1

The estimates for the f.y.1916 included provision for the procurement and installation of 60-inch searchlights at positions Nos. 1, 2, and 7, of the approved searchlight project, Coast Defenses of Narragansett Bay. Plans are under consideration. (38954/387).

2

By indorsement of Jan.19,1915,(81674/42) the C.of U.A.stated that two 60-inch searchlights under order for the New London district should be sent to Narragansett Bay. The lights referred to were allotted for under date of August 18, 1914, (81674/39). No generating equipment ordered.

3

2 25-kw.generating sets,for use with 60-inch searchlights,defenses of Narragansett Bay,ordered 5/6/15-81674.

4

Plans for installation of searchlights Nos. 1, 2, and 7 prepared. (38954/423,427-429) Plan for No. 2 (38954/428) under consideration. Plans for Nos. 1 and 7 (38954/427,429) to C. of S.,Jan.25,1915,by indorsement on 38954/423, approval recommended.

5

Letter ^{of the} District Engineer, Newport, R. I., March 9, 1918 (470.3 (Nar B) Fl) giving data in re searchlights as follows:

Fort:	Size:	Location:	Source of current:
ADAMS	36	On old fort.	Central power plant, Fort Adams.
	36	Right flank, Battery Reilly.	Do.
	24	On old fort.	Do.
WETHERILL	*60	Right flank, Battery Walbach	Searchlight plant, Battery Walbach.
	36	600 ft. west of Battery Varnum	Emplacement plant, Battery Varnum.
	24	On Richards Hill	Emplacement plant, Battery Wheaton.
GREBLE	*60	West shop, west of Battery Mitchell.	Searchlight plant in searchlight shelter.
	30	Left flank, Battery Mitchell.	Central power plant Fort Greble
	30	250 ft. east of Battery Hale	Do.
	24	Right flank, Battery Ogden.	Do.

* High intensity

Memoranda - 2
Searchlights
NARRAGANSETT BAY.

6.

June 19, 1919, the Equipment Section, O.C. of E., was requested to ship a Cadillac car unit, with 60" searchlight outfit, to the Commanding officer, Coast Defenses of Narragansett Bay, for test purposes, in connection with searchlight project. (470.35(Nar B) F4, 5 and 6).

Fort Wetherill.

Structure: Casemate. (j-1)

Location: At rear of Battery Vannum, Fort Wetherill. (j-1)

Construction: Brick structure with concrete roof. (j-1)

Status: Transferred February 17, 1906. (j-1)

Remarks:

Structure: Storehouse. (j-1)

Location: At rear of Battery Vannum, Fort Wetherill. (j-1)

Construction: Reinforced constricture with slate roof. (j-1)

Status: Transferred September 2, 1909. (j-1)

Remarks:

Structure: Cable tank. (j-1)

Location: At rear of Battery Vannum, Fort Wetherill. (j-1)

Construction: Reinforced concrete with slate roof. (j-1)

Status: Transferred May 10, 1912. (j-1)

Remarks:

Structure: Loading Room. (j-1)

Location: At rear of Battery Vannum, Fort Wetherill. (j-1)

Construction: Concrete structure with slate roof. (j-1)

Status: Transferred May 10, 1912. (j-1)

Remarks:

Structure: Tramway. (j-1)

Location: Fort Wetherill. (j-1)

Construction:

Status:

Remarks: No information. (j-1)

Structure: Wharf. (j-1)

Location: Fort Wetherill. (j-1)

Construction:

Status:

Remarks: No information. (j-1)

Structure: M'M'. (j-1)

Location: At left of Battery Varnum, Fort Wetherill. (j-1)

Construction: 6-room plaster concrete structure with tar and gravel roof. (j-1)

Status: Transferred September 3, 1909. (j-1)

Remarks:

Structure: M"M": (j-1)

Location: On Richards Hill, Fort Wetherill. (j-1)

Construction:

Status:

action rel.

Remarks: Awaits/construction of fire control stations on Richards Hill, Fort Wetherill. (j-1)

Ledger - 2.1
Torpedo Defense
NARRAGANSETT BAY
(Wetherill)

Structure: Terminal Hut. (m-1)

Location: Fort Wetherill. (m-10)

Construction:

Status: Funds allotted (j-2). Completed and transferred (j-3)

Remarks:

Structure: Mining Casemate (j-4)

Location: Rooms of Battery Zook, Fort Wetherill. (j-4)

Construction:

Status: Funds allotted for construction (j-4)

Remarks:

FORT GREBLE

Structure: Casemate. (j-1)

Location: At rear of Battery Ogden, Fort Greble. (j-1)

Construction: Plaster structure with slate roof. (j-1)

Status: Transferred September 3, 1909. (j-1)

Remarks:

Structure: Storehouse. (j-1)

Location: At left of Battery Hale, Fort Greble. (j-1)

Construction: Brick structure with slate roof. (j-1)

Status: Transferred October 31, 1902. (j-1)

Remarks:

Structure: Cable tank. (j-1)

Location: At left of Battery Hale, Fort Greble. (j-1)

Construction: Concrete tank with wooden house. Enlarged in 1907.

Status: Transferred October 31, 1902. Enlarged in 1907. (j-1)

Remarks:

Structure: Loading room. (j-1)

Location: At left of Battery Hale, Fort Greble. (j-1)

Construction: Wood structure. (j-1)

Status: Transferred February 17, 1906. (j-1)

Remarks:

Structure: Tramway. (j-1)

Location: Fort Greble. (j-1)

Construction:

Status:

Remarks: No information (j-1)

Structure: Wharf extension. (j-1)

Location: Fort Greble. (j-1)

Construction:

Status: Funds allotted (j-2)

Remarks: ~~No work done.~~ Estimated cost \$2,300. (j-1)

Structure: M'M'. (j-1)

Location: Fort Greble. (j-1)

Construction: 6-room plaster concrete structure with tar and gravel roof
(j-1)

Status: Transferred September 3, 1909. (j-1)

Remarks:

Structure: M"M". (j-1)

Location: Fort Kearny. (j-1)

Construction: 2-room, plaster structure. (j-1)

Status: Transferred November 13, 1909. (j-1)

Remarks:

Ledger - 4.1
Torpedo Defense
NARRAGANSETT BAY
(Grebbe)

Work: Lighting mine wharf and mine structures. (p-1)

Status: Funds allotted (j-2)

Remarks:

Structure: Mining Casemate (j-4)

Location: In rooms of No.1 emplacement of Battery Mitchell, Fort Greble
(j-4)

Construction:

Status: Funds allotted for construction (j-4)

Remarks:

ADDITIONAL STRUCTURES

Fort Greble

Structure: Mining casemate. (j-1)

Location: Fort Greble. (j-1)

Construction:

Status: Date of transfer unknown. (j-1)

Remarks: Unserviceable. (j-1)

Structure: Mining casemate. (j-1)

Location: Fort Greble. (j-1)

Construction:

Status: Transferred October 31, 1902. (j-1)

Remarks: Abandoned. (j-1)

Fort Adams.

Structure: Miningcasemate. (j-1)

Location: Fort Adams. (j-1)

Construction:

Status: Transferred October 31, 1901. (j-1)

Remarks: Abandoned. Outfit removed to Fort Wetherill. (j-1)

Structure: Storehouse. (j-1)

Location: Fort Adams. (j-1)

Construction: Brick structure with slate roof. (j-1)

Status: Transferred October 31, 1900. (j-1)

Remarks: In good condition. (j-1)

Structure: Cable tank. (j-1)

Location: Fort Adams. (j-1)

Construction: Concrete structure. (j-1)

Status: Transferred June 20, 1900. (j-1)

Remarks:

1

The project for the torpedo defense of Narragansett Bay, based on the Murray Board report dated January 27, 1905 (24947/83), with modifications to date (see 24947/92, 113-116, 120, 262, 277 and 285) is as follows:

FORT WETHERILL

Mining casemate: Existing structure to be utilized.
Storehouse: To be built in vicinity of wharf.
Cable tank: To be built in vicinity of wharf.
Loading Room: Typical loading room to be built in vicinity of wharf.
Tramway: 500' of tramway, equipped with 4 cars, to connect storehouse, cable tank and loading room with wharf.
Wharf: Existing structure to be utilized.
M'M': To be located near mining casemate.
M''M'': To be located on Richards Hill, Fort Wetherill.

FORT GREBLE

Mining casemate: New typical casemate should be built.
Storehouse: Existing brick storehouse suitable but not large enough. Addition to front of building should be built.
Cable tank: Existing tank suitable but not large enough. Additional tank should be built and connected with wharf by tramway.
Loading room: Existing structure to be utilized.
Tramway: Existing tramway to be utilized. Should be equipped with four platform cars.
Wharf: Existing structure to be extended.
M'M': To be located near Battery Ogden, Fort Greble.
M''M'': To be located near Battery Armistead, Fort Kearny.

=====

STATUS OF WORK

(Based on report of completed batteries).

Fort Wetherill

Casemate: Located at rear of Battery Varnum, Fort Wetherill. Brick structure with concrete roof. Transferred February 17, 1906.
Storehouse: Located at rear of Battery Varnum, Fort Wetherill. Reinforced concrete structure with slate roof. Transferred Sept. 2, 1909.
Cable tank: Located at rear of Battery Varnum, Fort Wetherill. Reinforced concrete with slate roof. Transferred September 2, 1909.
Loading room: Located at rear of Battery Varnum, Fort Wetherill. Concrete structure with slate roof. Transferred May 10, 1912.
Tramway: No information.
Wharf: No information.
M'M': Located at left of Battery Varnum, Fort Wetherill. 6-room plaster concrete structure with tar and gravel roof. Transferred Sept. 3, 1909.
M''M'': To be located on Richards Hill, Fort Wetherill. No work done. Awaits action rel. construction of fire control stations on Richards Hill Fort Wetherill.

Fort Greble

Casemate: Located at rear of Battery Ogden, Fort Greble. Plaster structure with slate roof. Transferred September 3, 1909.

Storehouse: Located at left of Battery Hale, Fort Greble. Brick structure with slate roof. Enlarged in 1907. Transferred October 31, 1902.

Cable tank: Located at left of Battery Hale, Fort Greble. Concrete tank with wooden house. Enlarged in 1907. Transferred October 31, 1902.

Loading Room: Located at left of Battery Hale, Fort Greble. Wood structure. Transferred February 17, 1906.

Tramway: No information.

Wharf extension: No work done. Estimated cost \$9,900.

M'M': Located at left of Battery Ogden, Fort Greble. 6-room plaster concrete structure with tar and gravel roof. Transferred September 3, 1909.

M''M'': Located at northwest corner of Fort Kearny reservation. 2-room plaster concrete structure. Transferred November 18, 1909.

ADDITIONAL STRUCTURES

Fort Greble:

Mining casemate: Unserviceable. Date of transfer unknown.

Mining casemate: Abandoned. Transferred October 31, 1902.

Fort Adams:

Mining casemate: Transferred October 31, 1901. Abandoned. Outfit moved to Fort Wetherill.

Storehouse: Transferred October 31, 1901. Brick structure with slate roof. In good condition.

Cable tank: Transferred June 20, 1900. Concrete structure.

September 20, 1916 (24947/353).² Allotment as follows made to D.E.O., Newport:

Extension of mine wharf, Fort Greble,\$ 11,350

Lighting mine buildings and wharf, Fort Greble, 3,860

Terminal hut and conduit, Fort Wetherill, 1,355

3

Concrete mining terminal hut 6 ft. x 6 ft. (and duct line) at Fort Wetherill, R. I., constructed at a cost of \$1,355.00 and transferred to Artillery September 21, 1917 (35576/418)

4

September 18, 1919. Allotment of \$24,280 made for placing casemates in rooms of No. 1 emplacement of Battery Mitchell, Fort Greble, and in rooms of No. 3 emplacement of Battery Zook, Fort Wetherill, R.I. 663A(Newp)F1

¹
C. of C.A., letter of July 2, 1915, (81892/28) expressed the opinion that provision should be included in 1917 ests. for the extension of wharf at Ft. Greble and the lighting of mine buildings and wharf. D.E.O. called on for plans and estimates July 9, 1915 (24947)

²
C. of C.A., letter of July 2, 1915 (81892/28) expressed the opinion that provision should be included in the 1917 ests. for a terminal hut at Fort Wetherill. D.E.O. called on for plans and estimates July 9, 1915, (24947).