

61-12A

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WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



NOTE:
Soundings at Great Kills, shown hereon, are depths in feet at mean low water, and are from a survey of U. S. Engineer Dept., 1887. Topographic measurements of traverse lines and descriptive data are principally from maps and records of the engineering bureau of the Borough of Richmond, New York, City.

City monuments marking traverse stations, shown hereon, are generally small concrete shafts set in the ground, centered by small brass plugs or nuts and capped by cast-iron boxes. When surveys for location of harbor lines are under taken, the borough engineers should be consulted for additional reference and monument data which are not completely shown on this map.

Coordinates of points and bearings of lines hereon are in the rectangular system, based on U. S. and G. S. survey triangulation, established for the Borough of Richmond. This system has its axes perpendicular and parallel to the meridian through U. S. & G. S. station "Bogart" on York Hills, S. I., with its origin chosen so to make that station: south, 20390 ft., west 20250 ft. in said system.



NOTE:
The revised pierhead and bulkhead lines shown here on supersede the harbor lines for these shores approved March 2, 1890, but conform closely to them except for minor corrections.
The separate bulkhead line is shown thus: - - - - -
The separate pierhead line is shown thus: - - - - -
The combined pierhead and bulkhead line is thus: - - - - -
The bulkhead line defines the limit for solid filling; the pierhead line the limit to which open piled structures may be built.

WAR DEPARTMENT
Office of the Chief of Engineers,
Washington, D. C., November 13, 1922
Approved: *[Signature]*
Superintendent of Harbors,
New York Harbor,
New York City

WAR DEPARTMENT
November 14, 1922
Approved: *[Signature]*
The Adjutant General

REVISED PIERHEAD AND BULKHEAD LINES
FOR SOUTHERLY SHORE OF
STATEN ISLAND, NEW YORK
OAKWOOD TO WARDS POINT
BOROUGH OF RICHMOND, NEW YORK CITY
(OAKWOOD TO HUGUENOT AVENUE)
IN 2 SHEETS SHEET NO. 1 SCALE 1:10000
OFFICE OF THE NEW YORK HARBOUR LINE BOARD, NOVEMBER 9, 1922
Approved: *[Signature]*
Chief of Engineers

Drawn by W. M. F. G. No. 33388 (By 12)
[Signature]
Chief of Engineers

Handwritten red mark resembling a stylized 'A' or '104'.

61-12A

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7-1-19