SHEET NO. 2
SHEET NO. 1

PROFILE AND ALINEMENT

SCALES Vertical 1 : 500
Horizontal 1 : 20,000

BORINGS

NUMBER	ELEV. OF GROUND	ELEV. BOTTOM OF HOLE	DESCRIPTION FROM	TO	MATERIAL	FROM	TO	MATERIAL	FROM	TO	MATERIAL
1	+23.1	-30.1	23.1	-9.9	Brn. S. M.G.	-24.6	-28.6	G.B.M.			
2	+22.7	-33.3	22.7	-10.3	Brn. S. M.						
3	+22.6	-33.4	22.6	-10.4	" "						
4	+22.5	-33.5	22.5	-10.5	" "						
5	+22.4	-33.6	22.4	-10.6	" "						
6	+22.3	-33.7	22.3	-10.7	" "						
7	+22.2	-33.8	22.2	-10.8	" "						
8	+22.1	-33.9	22.1	-10.9	" "						
9	+22.0	-34.0	22.0	-11.0	" "						
10	+21.9	-34.1	21.9	-11.1	" "						
11	+21.8	-34.2	21.8	-11.2	" "						
12	+21.7	-34.3	21.7	-11.3	" "						
13	+21.6	-34.4	21.6	-11.4	" "						
14	+21.5	-34.5	21.5	-11.5	" "						
15	+21.4	-34.6	21.4	-11.6	" "						
16	+21.3	-34.7	21.3	-11.7	" "						
17	+21.2	-34.8	21.2	-11.8	" "						
18	+21.1	-34.9	21.1	-11.9	" "						
19	+21.0	-35.0	21.0	-12.0	" "						
20	+20.9	-35.1	20.9	-12.1	" "						
21	+20.8	-35.2	20.8	-12.2	" "						
22	+20.7	-35.3	20.7	-12.3	" "						
23	+20.6	-35.4	20.6	-12.4	" "						
24	+20.5	-35.5	20.5	-12.5	" "						
25	+20.4	-35.6	20.4	-12.6	" "						
26	+20.3	-35.7	20.3	-12.7	" "						
27	+20.2	-35.8	20.2	-12.8	" "						
28	+20.1	-35.9	20.1	-12.9	" "						
29	+20.0	-36.0	20.0	-13.0	" "						
30	+19.9	-36.1	19.9	-13.1	" "						
31	+19.8	-36.2	19.8	-13.2	" "						
32	+19.7	-36.3	19.7	-13.3	" "						
33	+19.6	-36.4	19.6	-13.4	" "						
34	+19.5	-36.5	19.5	-13.5	" "						
35	+19.4	-36.6	19.4	-13.6	" "						
36	+19.3	-36.7	19.3	-13.7	" "						
37	+19.2	-36.8	19.2	-13.8	" "						
38	+19.1	-36.9	19.1	-13.9	" "						
39	+19.0	-37.0	19.0	-14.0	" "						
40	+18.9	-37.1	18.9	-14.1	" "						
41	+18.8	-37.2	18.8	-14.2	" "						
42	+18.7	-37.3	18.7	-14.3	" "						
43	+18.6	-37.4	18.6	-14.4	" "						
44	+18.5	-37.5	18.5	-14.5	" "						
45	+18.4	-37.6	18.4	-14.6	" "						
46	+18.3	-37.7	18.3	-14.7	" "						
47	+18.2	-37.8	18.2	-14.8	" "						
48	+18.1	-37.9	18.1	-14.9	" "						
49	+18.0	-38.0	18.0	-15.0	" "						
50	+17.9	-38.1	17.9	-15.1	" "						
51	+17.8	-38.2	17.8	-15.2	" "						
52	+17.7	-38.3	17.7	-15.3	" "						
53	+17.6	-38.4	17.6	-15.4	" "						
54	+17.5	-38.5	17.5	-15.5	" "						
55	+17.4	-38.6	17.4	-15.6	" "						
56	+17.3	-38.7	17.3	-15.7	" "						
57	+17.2	-38.8	17.2	-15.8	" "						
58	+17.1	-38.9	17.1	-15.9	" "						
59	+17.0	-39.0	17.0	-16.0	" "						
60	+16.9	-39.1	16.9	-16.1	" "						
61	+16.8	-39.2	16.8	-16.2	" "						
62	+16.7	-39.3	16.7	-16.3	" "						
63	+16.6	-39.4	16.6	-16.4	" "						
64	+16.5	-39.5	16.5	-16.5	" "						
65	+16.4	-39.6	16.4	-16.6	" "						
66	+16.3	-39.7	16.3	-16.7	" "						
67	+16.2	-39.8	16.2	-16.8	" "						
68	+16.1	-39.9	16.1	-16.9	" "						
69	+16.0	-40.0	16.0	-17.0	" "						
70	+15.9	-40.1	15.9	-17.1	" "						
71	+15.8	-40.2	15.8	-17.2	" "						
72	+15.7	-40.3	15.7	-17.3	" "						
73	+15.6	-40.4	15.6	-17.4	" "						
74	+15.5	-40.5	15.5	-17.5	" "						
75	+15.4	-40.6	15.4	-17.6	" "						
76	+15.3	-40.7	15.3	-17.7	" "						
77	+15.2	-40.8	15.2	-17.8	" "						
78	+15.1	-40.9	15.1	-17.9	" "						
79	+15.0	-41.0	15.0	-18.0	" "						
80	+14.9	-41.1	14.9	-18.1	" "						
81	+14.8	-41.2	14.8	-18.2	" "						
82	+14.7	-41.3	14.7	-18.3	" "						
83	+14.6	-41.4	14.6	-18.4	" "						
84	+14.5	-41.5	14.5	-18.5	" "						
85	+14.4	-41.6	14.4	-18.6	" "						
86	+14.3	-41.7	14.3	-18.7	" "						
87	+14.2	-41.8	14.2	-18.8	" "						
88	+14.1	-41.9	14.1	-18.9	" "						
89	+14.0	-42.0	14.0	-19.0	" "						
90	+13.9	-42.1	13.9	-19.1	" "						
91	+13.8	-42.2	13.8	-19.2	" "						
92	+13.7	-42.3	13.7	-19.3	" "						
93	+13.6	-42.4	13.6	-19.4	" "						
94	+13.5	-42.5	13.5	-19.5	" "						
95	+13.4	-42.6	13.4	-19.6	" "						
96	+13.3	-42.7	13.3	-19.7	" "						
97	+13.2	-42.8	13.2	-19.8	" "						
98	+13.1	-42.9	13.1	-19.9	" "						
99	+13.0	-43.0	13.0	-20.0	" "						
100	+12.9	-43.1	12.9	-20.1	" "						

C. CLAY. G. GRAVEL. M. MUD. S. SAND. ST. STONE. HRD. HARD. SFT. SOFT. STF. STIFF. STKY. STICKY

TYPICAL CROSS-SECTION

DELAWARE RIVER
PHILADELPHIA TO BORDENTOWN

EXPLANATION

- Triangulation
- Marsh
- Boring
- Low Water
- Contour —8 feet
- Contour —12 feet
- Contour —18 feet
- Contour —24 feet
- Contour —30 feet
- Contour —36 feet

Soundings are expressed in feet and tenths and are referred to the plane of local mean low water.

Borings are referred to the plane of mean low water of Bordentown, N.J. which is 0.19 ft. above the plane of mean low water at Sandy Hook, N.J.

Land contours 10 foot intervals. Elevations refer to the plane of mean low water at Sandy Hook, N.J.

Railroads, roads, etc crossing the canal are to be changed as indicated by broken lines.

All information relative to Delaware River taken from Maps of Survey entitled "Delaware River, Allegheny Ave., Philadelphia to Trenton * * * dated 1909 and made under the direction of U.S. Engineer Office Philadelphia, Pa.".

NEW YORK, N. Y. OCT 4, 1911.

APPROVED

W. M. Black

COLONEL CORPS OF ENGINEERS U. S. ARMY

TABULATION OF TRIANGULATION & BENCH MARKS

STA.	DESCRIPTION	ELEV.	REFERENCE FROM	REFERENCE TO	AZIMUTH	DISTANCE	NOTE BOOK NO.	NOTE BOOK PAGE	NOTE BOOK STA.	LATITUDE NORTH	LATITUDE SOUTH	DEPARTURE EAST	DEPARTURE WEST
Alleghany	3" iron pipe 12" below surface, 4'6 from corner of Allegheny Ave. & Reese St. 1'6 from inner face of curb, 2'6 from outer face of curb.		Alleghany	Grove	54° 10' 57"	3 061.84							
Grove	3" iron pipe 12" below surface, 14'5 E from C.L. of Grove Ave. 1'6 from inner face of curb, 2'6 from outer face of curb.		Grove	Gas 99	149° 24' 16"	1 405.98					1125.77		2 267.14
Gas 99	2" iron pipe flush 3'6 E from upper cap of hydrant, 11'6 from fire house, 41'6 from corner of curb.	8.77	Gas 99	Dike	204° 46' 56"	3 261.04					1337.79		2 227.36
Dike	1" iron pipe 3'6 from upper nut of 8" W.V., 1'6 from outer nose, C.S. from inner face.		Dike	5 Mile Pt.	196° 56' 04"	4 647.98					4 463.70		1 331.64
5 Mile Pt.	1" iron pipe 1'6 below surface of face of rock, 3'6 from outer edge of road, 4'6 from face of rock, 14'6 E from C.L. of Dike.		5 Mile Pt.	Tree	214° 58' 15"	1 647.62					1 307.70		1 006.11
Tree	3" iron pipe 12" below surface, 6" from face of Yellow chestnut tree, 6'6 E from face of curb, 2'6 from outer face of curb.		Tree	Bridges Rd.	294° 49' 23"	3 414.98					2 119.91		1 670.11
Bridges Road	3" iron pipe 12" below surface on E side of road, 1'6 from outer edge of timber bulkhead.		Bridges Rd.	Fishers Pt.	228° 17' 47"	1 149.11					1 123.16		2 435.46
Fishers Pt.	3" iron pipe, 10" below surface, 18" N of W., 38'6 E of base of wood brush tree.		Fishers Pt.	Bridesburg	188° 22' 11"	6 949.34					6 841.21		5 031.16
Bridesburg	3" brass plug, 10" below surface, 4'6 E of W. corner of house, 1'6 W of corner of wall, 27'6 from corner of wharf.		Bridesburg	Pennsauken	323° 40' 12"	4 584.92					3 693.21		5 970.41
Pennsauken	3" iron pipe, 12" below surface, 33'6 N & 5'6 E from corner of wharf, 37'6 from corner of wharf.		Pennsauken	Fitler	167° 48' 43"	5 570.01					4 854.13		2 744.49
Fitler	1" iron pipe, 12" below surface, 30'6 from corner of wharf, 31'6 N face of wharf, 36'6 E face of wharf.		Fitler	Washington	288° 55' 11"	3 237.76					1 001.23		3 081.76
Washington	1" iron pipe, 10" below surface, 7'6 from side of wharf, 8'6 S & 5'6 from corner of wharf, 2'6 E face of wharf.		Washington	Eight Miles	313° 48' 00"	5 637.97					3 978.76		3 996.48
Eight Miles	3"x4" wooden plug in centre of "Gate 38" to base of south side of this tree, 26'6 N. More or less.		Eight Miles	Riverton	244° 58' 17"	6 939.36					2 976.50		6 272.15
Riverton	1" iron pipe, 10" below surface, 7'6 from side of wharf, 9'6 N from east of corner No. 2.		Riverton	Delair Pompesia	87° 05' 41" 241° 28' 26"	6 892.55 5 955.57					1 791.49		22 616.48
Delair	1" iron pipe, 10" below surface, 2'6 W of centre line of fence, 2'6 N of corner No. 2.		Delair	Current 2	247° 50' 22"	7 450.61					4 914.37		17 776.33
Current 2	1" iron pipe, 10" below surface, 4'6 N of west cut wharf, 3'6 N face of wharf, 37'6 N from corner of wharf.										4 451.46		23 023.19
Pompesia	1" iron pipe, 10" below surface, 2'6 N of river, one 3'6 N from east of wharf, 31'6 E to stake on Jetty rock.		Pompesia	Wright Pt.	219° 46' 20"	3 771.54					2 731.32		27 704.49
Wright Pt.	1" iron pipe, 12" below surface, 13'6 N N. Ferry tree, 3'6 N Ferry tree.		Wright Pt.	Pennypack	179° 00' 06"	3 353.36					3 353.30		28 684.11
Pennypack	1" iron pipe, 12" below surface, 12'6 N. 6'6 W. N. & 8'6 from Stream to base of willow tree.		Pennypack	Fitler	329° 48' 18"	6 917.83					5 911.33		25 275.11

UNITED STATES INTRA-COASTAL WATERWAYS

BOSTON, MASS. - BEAUFORT INLET, N. C. DIVISION

NEW YORK BAY - DELAWARE RIVER SECTION

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE, DISTRICT NO. 1, NEW YORK

LOCAL MAP SHEET NO. 1

PETTY ISLAND - WRIGHTS PO

SEA LEVEL PROJECT

DELAWARE RIVER

FROM SURVEY OF 1909

1000 0

COLONEL